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ABOUT THIS CATALOG

The requirements specified in this catalog apply to students who commence their studies at Ithaca College during the 2012-2013 academic year and who remain in continuous enrollment at the institution until they graduate. If requirements are changed, students may elect to comply with the new requirements or to remain under the requirements by which they are governed at the time of the change. The choice must be declared at the time of the student’s graduation review with the registrar’s office.

Students who change their major are bound by the regulations for their new major that are in effect the semester they officially begin studies in that program.

Students who withdraw and are subsequently readmitted are bound by program and degree requirements in force during the academic year in which they are readmitted. See the statement on return after suspension under “Academic Standards.”

Discrimination

It is the policy of Ithaca College that discrimination on the grounds of age, disability, marital status, national origin, race, color, religion, sex, sexual orientation, gender identity or expression, or military status will not exist in any activity, area, or operation of the College.

Photographs

Ithaca College and its representatives on occasion take photographs and video footage of individuals or groups in public venues and spaces on campus, including but not limited to exterior walkways, performance and athletic areas, and classrooms. This statement serves as public notice of the College’s intent to do so and by participating in a program of Ithaca College, you—or your parent/guardian if you are under 18 years of age—grant Ithaca College, and its employees and agents, the right to make, use, and publish in whole or in part any recorded footage in which your name, likeness, image and/or voice may be included. Ithaca College shall have complete ownership of such recordings in which you or your performance or contribution appears. If you should object to the use of your likeness, image or voice, you have the right to withhold its release by filling out a form at the Office of the Registrar.

Accuracy

Every effort has been made to ensure that the information in this catalog is accurate and complete as of May 15, 2012. However, errors are possible, and changes such as the addition or cancellation of courses may occur during the academic year. The College reserves the right to correct these or other errors in the catalog and to make changes in degree requirements, course offering regulations, and procedures as educational or financial considerations require. For the most up-to-date information, contact the appropriate department offices.
Fall 2012 and Spring 2013 Academic Calendars

The Ithaca College academic calendar for fall and spring semesters through 2014 may be found at http://www.ithaca.edu/acadcal/index.php.

**Fall 2012**

Semester courses
Begin Wed., August 29, 8:00 a.m. 
End Fri., December 14, 4:00 p.m.

Block I
Begins Wed., August 29, 8:00 a.m. 
Ends Wed., October 17, 10:00 p.m.

Labor Day
Mon., September 3 — no classes in session

Rosh Hashanah
Begins Mon., September 17 (sundown) 
Ends Tues., September 18

Yom Kippur
Begins Wed., September 26 (sundown) 
Ends Thu., September 27

Alumni Weekend
Fri., October 12 - Sun., October 14

Fall break
Begins Thurs., October 18, 10:00 p.m. 
Ends Sun., October 21

Block II
Begins Mon., October 22, 8:00 a.m. 
Ends Fri., December 14, 4:00 p.m.

Family Weekend
Fri., November 2 - Sun., November 4

Thanksgiving break
Begins Fri., November 16, 4:00 p.m. 
Ends Sun., November 25

Final examinations
Begin Mon., December 17, 7:30 a.m. 
End Fri., December 21, 10:00 p.m.

Deadlines to Note
Add/drop
Wed., September 5 — semester

**Spring 2013**

Martin Luther King Jr. Day
Mon., January 21, no classes

Semester courses
Begin Tue., January 22, 8:00 a.m. 
End Mon., May 6, 4:00 p.m.

Block I
Begins Tue., January 22, 8:00 a.m. 
End Fri., March 8, 4:00 p.m.

Spring break
Begins Fri., March 8, 4:00 p.m. 
Ends Sun., March 17

Block II
Begins Mon., March 18, 8:00 a.m. 
Ends Mon., May 6, 4:00 p.m.

Passover
Begins Tue., March 26 (sundown) 
Ends Wed., March 27

Good Friday
Fri., March 29

Easter Sunday
Sun., March 31

Final examinations
Begin Tue., May 7, 7:30 a.m. 
End Mon., May 13, 10:00 p.m.
Commencement Sun., May 19

Deadlines to Note

Add/drop Mon., January 28 — semester course Mon., January 28 — block I
Fri., March 22 — block II

Request S/D/F option Mon., February 11 — semester course Fri., February 1 — block I
Wed., March 27 — block II

Grades due to registrar Wed., March 20, 10:00 p.m. — midterm
Thu., May 16, 10:00 p.m. — final

Register for following semester Monday - Friday, April 15-19

Apply for graduation Wed., March 27 — summer 2013 graduation

Withdraw with W; Mon., April 1 — semester course Fri., February 25 — block I
revoke S/D/F option Fri., April 19 — block II

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Saturday, March 9 Close for all students
Sunday, March 17 Reopen for all students
Saturday, May 12 Close for all nongrading students
Monday, May 21 Close for all remaining students

Winter Session 2013

Registration Begins Thursday, November 1, 2012
Classroom courses Begin Monday, January 7, 2013
Final examinations End Friday, January 18, 2013

Summer Sessions 2013

Registration Begins Friday, February 15
Classes May Session - May 13-24 Session I - May 28-June 28
Session II - July 1-August 2

Final examinations TBA
Memorial Day Monday, May 27
Independence Day( observed) Thursday, July 4

Residence Hall Openings and Closings

Residence hall openings and closings may be found at the website for the Office of Residential Life: http://www.ithaca.edu/reslife/important_dates/index.php.

All residence halls open and close at noon on the day indicated. The dates are subject to change.

Fall 2012
Monday, August 8 Open for all circle and apartment residents
Sunday, August 26 Open for all students
Saturday, November 17 Close for all students
Sunday, November 25 Reopen for all students
Saturday, December 22 Close for all students

Spring 2013
Friday, January 20 Open for all new students
Saturday, January Open for all returning students
GENERAL INFORMATION

Mission
To provide a foundation for a lifetime of learning, Ithaca College is dedicated to fostering intellectual growth, aesthetic appreciation, and character development in our students. The Ithaca College community thrives on the principles that knowledge is acquired through discipline, competence is established when knowledge is tempered by experience, and character is developed when competence is exercised for the benefit of others.

A comprehensive college that since its founding has recognized the value of combining theory and performance, Ithaca College provides a rigorous education blending liberal arts and professional programs of study. Our teaching and scholarship are motivated by the need to be informed by, and to contribute to, the world’s scientific and humanistic enterprises. Learning at Ithaca extends beyond the classroom to encompass a broad range of residential, professional, and extracurricular opportunities. Our undergraduate and graduate students, faculty, staff, and alumni all contribute to the learning process.

Ithaca College is committed to attracting a diverse body of students, faculty, and staff. All members of the College community are encouraged to achieve excellence in their chosen fields and to share the responsibilities of citizenship and service in the global community.

Student Responsibilities
A student’s behavior must not interfere with the activities of the College or with other students’ pursuit of educational objectives. Any behavior on the part of individual students or groups that endangers the health or safety of the College community will not be tolerated. Standards of conduct designed to protect the rights of all members of the College community and preserve the functioning of the College as an educational institution are published in the “Student Conduct Code” section of the student handbook and in the rules and regulations section of the Office of Judicial Affairs website. (http://www.ithaca.edu/sacl/handbook/, http://www.ithaca.edu/sacl/judicial/)

Undergraduate Degree Programs
Registered by the Regents of the University of the State of New York

Enrollment in other than the officially registered programs listed below may jeopardize a student’s eligibility for certain student aid awards. (HEGIS is the Higher Education General Information Survey.)

<table>
<thead>
<tr>
<th>School of Business</th>
<th>Degree</th>
<th>HEGIS Code</th>
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<tr>
<td>Accounting</td>
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<tr>
<td>Accounting/Professional Accountancy</td>
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<td>Business Administration (with concentrations)</td>
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<tr>
<td>Legal Studies</td>
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Roy H. Park School of Communications

| Cinema and Photography | B.S.   | 1010       |
| Communication Management and Design | B.S.   | 0601       |
| Documentary Studies and Production | B.A.   | 0699       |
| Emerging Media         | B.S.   | 0605       |
| Film, Photography, and Visual Arts | B.F.A. | 1099 |
| Integrated Marketing Communications | B.S. | 0601 |
| Journalism             | B.A.   | 0602       |
| Television-Radio       | B.S.   | 0603       |

School of Health Sciences and Human Performance

<p>| Athletic Training      | B.S.   | 1299.30    |
| Clinical Exercise Science | B.S.   | 1299.30    |
| Clinical Health Studies | B.S.   | 1201       |
| Clinical Health Studies/Physical Therapy | B.S./D.P.T. | 1201/1212 |
| Exercise Science       | B.S.   | 1299.30    |
| Health Care Management | B.S.   | 1202       |
| Health Education (teaching) | B.S. | 0837       |
| Health Education and Physical Education | B.S. | 0835       |
| Health Sciences        | B.S.   | 1201       |
| Occupational Science   | B.S.   | 1201       |
| Occupational Science/Occupational Therapy (5-year) | B.S./M.S. | 1201/1208 |
| Outdoor Adventure      | B.S.   | 0835.01    |</p>
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Theatrical Production Arts  B.F.A.  1007
Writing  B.A.  1507

**School of Music**
Composition  B.M.  1004.10
Jazz Studies  B.M.  1004
Music  B.A.  1004
Music Education ¹  B.M.  1005
Music in Combination with an Outside Field  B.M.  1004
Music Theory  B.M.  1004.10
Performance  B.M.  1004
Performance/Music Education, 4 1/2 years ¹  B.M.  1004
Sound Recording Technology  B.M.  1004

¹ New York State teacher certification program
² No new students admitted

**Graduate Degree Programs**
Registered by the Regents of the University of the State of New York

**School of Business**
Business Administration  M.B.A.  0506
Professional Accountancy  M.B.A.  0502

**Roy H. Park School of Communications**
Communications  M.S.  0601
Communications Innovation ²  M.S.

**School of Health Sciences and Human Performance**
Exercise and Sport Sciences  M.S.  0835
Health Education ¹  M.S.  0837
Occupational Therapy  M.S.  1208
Physical Education ¹  M.S.  0835
Physical Therapy  D.P.T.  1212
Speech-Language Pathology with Teaching Certification  M.S.  1220
Teaching Students with Speech and Language Disabilities ¹  M.S.  0815

**School of Humanities and Sciences**
Adolescence Education 7-12 ¹  M.A.T.  0803
For certification in
Biology 7-12
Chemistry 7-12
English 7-12
French 7-12
Mathematics 7-12
Physics 7-12
Social Studies 7-12
Spanish 7-12
Childhood Education ¹  M.S.  0802

**School of Music**
Composition  M.M.  1004.10
Conducting  M.M.  1004
Music Education ¹  M.M.  0832
Music Education ¹  M.S.  0832
Performance  M.M.  1004
Suzuki Pedagogy  M.M.  1004

Credits may be earned in summer sessions during June, July, and August. More information may be obtained from graduate studies.
(http://www.ithaca.edu/gps/gradprograms/)

¹ New York State teacher certification program
² Pending New York State Education Department approval

**Certificate Programs**
Registered by the Regents of the University of the State of New York

**Schools of Business and Humanities and Sciences**
International Business  Certificate  5004

**School of Humanities and Sciences**
Gerontology  Certificate  5506.2
Applied Gerontology  Certificate  5506.2

**Minors and Concentrations**
Minors and concentrations are structured plans of study consisting of a minimum of five courses for at least 15 credits. Successful completion of a minor or concentration is recorded on the transcript if the student has registered for the program as required. See “Admission to a Minor or Concentration” in the “Graduation and Program Regulations” section.
The difference between the two plans of study is that a minor is outside the specific discipline in which the student is majoring; a concentration is within the student’s major discipline. Concentrations are available in a number of programs. Students should consult with their advisers on eligibility requirements and planning for graduation.

Minors are available in each school, as follows:

**School of Business** — for non-business majors: accounting, business, finance, international business studies, marketing, pre-M.B.A.; and for non-legal studies majors: legal studies

**Roy H. Park School of Communications** — audio production, communication management and design, integrated marketing communications, international communications, journalism, scriptwriting, still photography

**School of Health Sciences and Human Performance** — coaching, communication disorders, deaf studies, exercise science, health, health policy and management, integrative health studies, nutrition promotion, occupational science, outdoor pursuits, recreation, sport and exercise psychology, sport studies

**School of Humanities and Sciences** — minors based in departments: aging studies, anthropology, art, art history, biology, chemistry, communication studies, comparative literature, computer science, dance, economics, English, environmental studies, French, German area studies, game development and technologies, health communication, history, international politics, Italian, mathematics, philosophy, physics, politics, psychology, religious studies, sociology, Spanish, theater, web programming, writing; interdisciplinary minors: African diaspora studies, classical studies, counseling, Jewish studies, Latin American studies, Latino/a studies, medieval and Renaissance studies, Muslim cultures, Native American studies, neuroscience, women’s studies

**School of Music** — music

**Degrees Awarded**

Each of the undergraduate degree programs offered by Ithaca College requires a minimum of 120 credit hours and a certain number of liberal arts credits as specified by the New York State Education Department. Only courses specifically designated for this purpose may count as liberal arts credit; they are marked “LA” in this catalog and in the semester course lists, the Undergraduate Course Offerings, available on the registrar’s website before the beginning of each semester. Those not so designated are marked “NLA” in this catalog and in the semester course lists. Courses listed without LA or NLA designations are under review.

The **bachelor of arts (B.A.)** degree combines a major focus in one of the basic disciplines with breadth of study across the traditional liberal arts fields. Through planned study of representative subjects in the humanities, natural sciences, social sciences, and fine arts, students encounter the intellectual landmarks and become familiar with the basic methods of investigation, analysis, and expression of each area. Majoring in one of these fields affords the opportunity to develop greater sophistication and depth in an area of particular interest. As specified by the New York State Education Department, the B.A. degree requires a minimum of 75 percent liberal arts credits.

The **bachelor of fine arts (B.F.A.)** degree places particular emphasis on the media and techniques of creative expression. Courses in theory and aesthetic analysis encourage students to explore new modes of expression and to develop an ability to critique their own and others’ work. Individual and small-group instruction in special techniques helps students perfect their individual talents and demonstrate them in scheduled exhibitions or performances. Liberal arts electives enable students to attain a breadth of knowledge in other disciplines. As specified by the New York State Education Department, the B.F.A. degree requires a minimum of 25 percent liberal arts credits.

The **bachelor of music (B.M.)** degree combines a variety of music courses to provide a solid base from which to pursue study of a specific area, such as music education, music performance, composition, jazz studies, or recording. As specified by the New York State Education Department, the B.M. degree requires a minimum of 25 percent liberal arts credits.

The **bachelor of science (B.S.)** degree integrates study in one of the professional areas, or one of the natural or social sciences, with designated support courses from other areas. In this closely structured program, students combine analytical methods developed in the classroom with practical application of these methods in a laboratory or internship setting. The intent of this degree is to provide an intensive exploration of theory, method, and research within the student’s chosen field. Electives in liberal arts disciplines complement the specialization and foster understanding and appreciation of the interrelation of the humanities and sciences. As specified by the New York State Education Department, the B.S. degree requires a minimum of 50 percent liberal arts credits.

For more information about degree programs and requirements, see “Graduation and Program Regulations.” (http://www.ithaca.edu/catalogs/ug1112/academicinfo/graduation_and_program_regulations/)
# Academic Accreditations and Affiliations

## All-College

**Accreditations** — Middle States Association of Colleges and Schools; New York State Education Department

**Affiliations/Memberships** — American Association for Higher Education; American Council on Education; Association of American Colleges and Universities; Association of Governing Boards of Universities and Colleges; Commission on Independent Colleges and Universities; Council on Undergraduate Research; Institute of International Education; Mid-Atlantic Association of Schools; NAFSA: Association of International Educators; New American Colleges and Universities; South Central Research Library Council

## School of Business

**Accreditations** — For the accounting and business administration degrees only: Association to Advance Collegiate Schools of Business International (AACSB)

**Affiliations** — Academy of Management; American Marketing Association; Financial Management Association; Institute of Management Accountants

## Roy H. Park School of Communications

**Affiliations** — American Advertising Federation; Associated Collegiate Press; Association for Educational Communications and Technology; Association for Schools of Journalism and Mass Communication; Association of Independent Video and Filmmakers; Broadcast Education Association; College Broadcasters Inc.; College Media Advisers; Columbia Scholastic Press Association; International Television Association; Public Relations Student Society of America; Society of Professional Journalists; University Film and Video Association

## School of Health Sciences and Human Performance

**Accreditations** — Accreditation Council for Occupational Therapy Education of the American Occupational Therapy Association; Commission on Accreditation in Physical Therapy Education; Commission on Accreditation of Allied Health Education Programs; Council on Academic Accreditation of the American Speech-Language-Hearing Association; National Council on Accreditation; National Recreation and Park Association; New York State Board of Regents and Commissioner of Education

**Affiliations** — American Alliance for Health, Physical Education, Recreation, and Dance; American College Health Association; American College of Sports Medicine; American Occupational Therapy Association; American Physical Therapy Association; American Speech-Language-Hearing Association; Association of Schools of Allied Health Professions; Council on Academic Programs in Communication Sciences and Disorders; National Athletic Training Association; National Recreation and Park Association; North American Society for Sport Management

## School of Humanities and Sciences

**Accreditations** — American Chemical Society; National Association of Schools of Theatre; New York State Board of Regents and Commissioner of Education

**Affiliations** — Association for Gerontology in Higher Education, Association of Independent Liberal Arts Colleges for Teacher Education; Association of Teacher Educators; International Communication Association; National Communication Association; New York Association of Colleges for Teacher Education; New York State Association of Teacher Educators

## School of Music

**Accreditations** — National Association of Schools of Music, New York State Board of Regents and Commissioner of Education


## Graduate Studies

### Graduate Programs

**Affiliations** — Council of Graduate Schools; Northeastern Association of Graduate Admissions Professionals; Northeastern Association of Graduate Schools

## Office of Extended Studies

### Summer Sessions

**Affiliation** — North American Association of Summer Sessions

### Continuing Education

**Affiliation** — Association for Continuing Higher Education

## Honor Societies

### All-College

Oracle Society (freshman)
Phi Kappa Phi (junior, senior, graduate, faculty)
School of Business
Accounting and Finance — Beta Alpha Psi
Business Administration — Beta Gamma Sigma
Management — Sigma Iota Epsilon, Zeta Iota Chapter

Roy H. Park School of Communications
Communications — Lambda Pi Eta

School of Health Sciences and Human Performance
Exercise and Sport Sciences, Occupational Therapy, Physical Therapy, Speech-Language Pathology and Audiology — Alpha Eta
Occupational Therapy — Pi Theta Epsilon
Recreation and Leisure Studies — Rho Phi Lambda, Psi Chapter

School of Humanities and Sciences
Aging Studies — Sigma Phi Omega
Biology — Beta Beta Beta, Chi Xi Chapter
Communication Studies — Lambda Pi Eta
Communication Studies-Forensics — Pi Kappa Delta, New York State Alpha Chapter
Computer Science — Upsilon Pi Epsilon, Omicron Chapter of New York
Economics — Omicron Delta Epsilon, Alpha Upsilon Chapter
English — Sigma Tau Delta, Omega Psi Chapter
French — Pi Delta Phi, Lambda Epsilon Chapter
German — Delta Phi Alpha, Iota Chi Chapter
History — Phi Alpha Theta, Xi Chi Chapter
Italian — Gamma Kappa Alpha
Mathematics — Pi Mu Epsilon, New York Upsilon Chapter
Physics — Sigma Pi Sigma, Ithaca College Chapter
Psychology — Psi Chi
Scientific Research — Sigma Xi, Paulen A. Smith Chapter
Spanish — Sigma Delta Pi, Iota Pi Chapter

School of Music
Pi Kappa Lambda
Phi Mu Alpha Sinfonia
Sigma Alpha Iota
Mu Phi Epsilon

Choosing a Program of Study

Study across the Disciplines
The diversity of the academic programs at Ithaca College affords students a rich variety, including many cross-disciplinary study opportunities. Whether students are trying to decide on a major or looking to supplement their major with study in another field, they are strongly urged to inform themselves about the range of possibilities open to them. The sections on individual schools in this publication provide specific information about programs, but students may find this overview helpful as they begin to explore the entire College curriculum.

Exploratory Program
Students who wish to investigate a variety of academic disciplines before selecting a major may enter Ithaca College through the Exploratory Program in the School of Humanities and Sciences. Exploratory students are assigned experienced academic advisers who help them choose courses from the liberal arts and preprofessional curricula at the College. After one semester in the program, students are free to enter a major in HS or apply for transfer to another school of the College. They may also remain in the Exploratory Program through the end of the sophomore year, or until they have earned 60 credits, at which time they are required to declare a major. Exploratory students are encouraged to take advantage of all the College resources open to the general student population.

Honors Program
A select number of exceptionally qualified applicants to Ithaca College are invited to apply to the Ithaca College Honors Program; if admitted, they participate in a series of special, intensive seminars complemented by an array of out-of-class activities. Students who complete the full seminar sequence graduate with honors in humanities and sciences as designated on their official College transcript. The Ithaca College Honors Program does not conflict with departmental honors programs; qualified students can complete both.

Majors
Numerous majors relating to specific disciplines are offered by the various schools. The requirements are set out under each department’s listings.

Elective Courses
Ithaca College encourages students to explore disciplines other than the one in which they are majoring. Students should consider taking their open-elective courses in subjects outside their major. Each school has many courses open to nonmajors, subject only to the prerequisites.
specified in the course descriptions and availability of space in the course.

Double Majors

With careful planning, it is possible to complete two majors, even if they are from different schools within the College. The Office of the Registrar can advise students on the feasibility of particular combinations.

Interdisciplinary Programs

The following majors combine courses of study in two or more disciplines, and in some instances two or more schools: aging studies; applied economics; applied psychology; architectural studies; biochemistry; culture and communication; emerging media; environmental science; environmental studies; film, photography, and visual arts; integrated marketing communications; health policy studies; legal studies; mathematics-computer science; mathematics-computer science (teaching); mathematics-economics; mathematics-physics; musical theater; philosophy-religion; sport management; and theater arts management.

Six majors have requirements for a minor in another discipline or for a planned interdisciplinary combination of courses: aging studies, culture and communication, environmental studies, journalism, music in combination with an outside field, and writing.

Planned Studies Major

Students whose interests do not coincide with any of the formally defined majors may wish to consider the planned studies major. The emphasis is first on developing an individualized educational goal and then on selecting appropriate courses to meet that goal. This major may lead to either a B.A. or a B.S. degree, depending on the nature of the focus. The planned studies program is based in the School of Humanities and Sciences, although student plans may include courses drawn from across the College. All planned studies majors must fulfill the humanities and sciences general education requirement.

Music for the Non-Music Major

Musically talented students who are enrolled in a major other than music may pursue their musical interests by taking a music minor, individual courses, ensembles, or lessons.

International Programs

The Office of International Programs encourages students to take advantage of opportunities to spend a summer, semester, or academic year abroad. Ithaca College runs a center in London, and sponsors exchange programs in Australia, Canada, China, the Czech Republic, Germany, Ireland, Japan, Korea, Singapore, Spain, and Sweden. Additional study abroad sites are being developed. Students may also participate in affiliated or nonaffiliated programs throughout the world that are sponsored by other institutions. For complete details see the “International Programs” section. (http://www.ithaca.edu/oip/study_abroad/sa_prog_ops/)

Teacher Education

Ithaca College maintains its long-standing commitment to the preparation of teachers by providing programs that lead to initial and professional New York State teaching certification in a variety of disciplines. All current teacher education programs are registered with the New York State Education Department. For specific information on requirements, please see department requirements.

All students applying for New York State certification are required by the New York State commissioner of education to achieve a passing score on the appropriate New York State teacher certification examinations and complete a fingerprint-supported criminal history background check prior to certification. Information on these requirements may be obtained from the College’s Department of Education. (http://www.ithaca.edu/his/depts/education/cert/)

Exchanges with Cornell University and Wells College

Ithaca College’s reciprocal arrangements with Cornell University and with Wells College allow matriculated, full-time Ithaca College students, with prior approval and within stated stipulations, to cross-register for one course or up to 4 credits per semester at Cornell University or Wells College. These arrangements are available during the fall and spring semesters only, contingent on space availability at Cornell or Wells. Students may petition the School of Humanities and Sciences to have exchange program credits satisfy Ithaca College General Education requirements. Exchange credits will satisfy students’ distribution requirements as deemed appropriate by the Ithaca College Office of the Registrar.

Undergraduate students must be currently enrolled for at least 12 credits at Ithaca College and may take only courses that are not offered at Ithaca College. (Schedule conflicts or unavailability of courses in a given semester do not constitute a valid rationale for enrollment as an exchange student.) Credits and transcripts are automatically transferred to Ithaca College and are included in GPA calculations. No additional tuition is charged, except in the case of students enrolled during any one semester for a combined total of more than 18 credits. Those students are subject to additional tuition charges on a per-credit basis.

Program petition forms and further information are available online at http://www.ithaca.edu/gps/ic-cu.
Optometry 3-1 Program

This joint program with the Pennsylvania College of Optometry and the State University of New York College of Optometry enables students in certain disciplines to receive both a bachelor’s degree from Ithaca College and a doctor of optometry degree in seven years rather than eight. Students must complete at least 90 credits of college and departmental requirements in a major at Ithaca College, as well as satisfy the requirements specified for admission to the optometry college. After successfully completing the first year at the optometry college, students receive the bachelor’s degree from Ithaca College. After completing the remaining three years at the optometry college, students are awarded the doctor of optometry degree.

This academic program must be planned carefully. Students interested in the program should contact the chair of the Premedical Sciences Advisory Committee upon matriculation at Ithaca College. A standard 4-4 program is also available.

3-2 Program in Physics-Engineering

This joint program provides the opportunity for selected physics majors to complete an accelerated three-year program in physics at Ithaca College and then spend an additional two years in the College of Engineering at Cornell University, Clarkson University, Rensselaer Polytechnic Institute, or the Thomas J. Watson School of Engineering, Applied Science, and Technology of the State University of New York at Binghamton. Upon satisfactory completion of this five-year sequence, students are awarded a bachelor’s degree from Ithaca College and the appropriate engineering degree from one of the above engineering schools. Additional information may be obtained from the chair of the physics department. (http://www.ithaca.edu/catalogs/ug1112/hs/physics/)

Ithaca College-Thunderbird Linkage Program

The linkage program with the Thunderbird School of Global Management provides students with guided transition to a graduate professional business program. Under a system of preapproved waivers, students may complete the master of international management degree at Thunderbird in as little as one year (three terms). Students interested in this program need to plan early to make sure they meet all the prerequisites as part of their undergraduate degree program. Further information and advising are available from the School of Business dean’s office.

Ithaca College M.B.A. 4+1 Programs

The School of Business at Ithaca College offers two graduate degrees, an M.B.A. and an M.B.A. in professional accountancy. Both degrees consist of 36 credit hours of required graduate coursework and can be completed in 10-12 months. Although some prerequisite business coursework may be required, an undergraduate degree in business is not required for admission to the M.B.A. program. Students with undergraduate degrees in non-business fields are encouraged to consider obtaining the pre-M.B.A. minor. Admission to the M.B.A. in professional accountancy program requires an undergraduate degree in accounting. Graduate scholarships and assistantships are available.

Further information is available from the dean’s office in the School of Business and from the school’s website. (http://www.ithaca.edu/business/)

National Affiliated Programs in Marine Biology

Affiliations with the Sea Education Association (SEA) and the Duke University Marine Laboratory (DUML) allow students to broaden their understanding of the ocean firsthand. Both are one-semester programs (fall, spring, or summer). Certain courses will fulfill elective credit requirements for a biology degree or general education requirements in the School of Humanities and Sciences. For information and advisement, please see program coordinators in the biology department. Students should apply through the Office of International Programs.

ROTC Officer Education Program

Under an agreement with Cornell University, students may enroll in the Reserve Officers Training Corps (ROTC) programs of two military services — the U.S. Air Force and the U.S. Army.

The objective of the program is to prepare men and women for positions of responsibility as officers in the military services. Students may enroll in classes or in programs of two, three, or four years. A range of scholarships is available to qualified applicants. These scholarships may cover up to full tuition at Ithaca College; mandatory fees and textbook costs, $300-$1,200 per year; and a $300-$500 per month stipend during the academic year. All participants in their junior and senior years receive the nontaxable monthly stipend, whether or not they are on a scholarship. Periodically, midyear scholarships may be available as well. Two- or three-year applicants for each service must contact the appropriate ROTC unit early in the second semester of their freshman or sophomore year to initiate the selection process.

In most cases, the cost of taking these courses is $15 a semester. All uniforms, books, and supplies required by the ROTC unit are provided.

There are no military obligations for enrolling in ROTC courses. However, those students accepted into the advanced program during their sophomore, junior, or senior year may incur an active duty commitment ranging
from 4 to 10 years. The commitment varies by program within the two services.

Further information can be obtained from Professor Bill Tastle in the School of Business (tastle@ithaca.edu) or the Office of the Registrar. Professor Tastle is the campus coordinator for ROTC programs on the Ithaca College campus.

Washington Semester Program

Ithaca College has entered into an agreement with Cornell University which reserves five spaces each semester in the Cornell in Washington (CIW) Program for qualified Ithaca College students. Ithaca students pay Ithaca tuition and Cornell housing for a full fall or spring semester in Washington, DC.

The Cornell in Washington Program offers students an 8-credit research course, a 4-credit classroom course, and a three-day internship experience (students may take an additional 4-credit course if their schedule permits). Students who need credit for the internship experience must register for internship credit through Ithaca College and must complete all appropriate IC internship applications as required by their major since Cornell does not confer credit internships.

Information may be obtained from the Assistant Provost for International Studies in 214-1 Center for Health Sciences (CHS), (607) 274-3063.

Ithaca College in New York City

Ithaca College has recently launched a New York City Program initiative focused on experiential learning. All students register as full time students and enroll in at least six internship credits and six course-based credits. All participating students are required to attend the NYC internship seminar which offers opportunities to interact with successful Ithaca College alumni living in New York, to develop presentation and networking skills, and to consider the connection between classroom learning and its application in the world of work. In 2012-13, classes will be held at Club Quarters - World Trade Center, 140 Washington Street (between Albany and Cedar Streets) in New York City 10006.

Students must apply for the NYC program through their own school and complete the appropriate school-based internship application and approval process required for their major. Students consult with the Office of Career Services and with their school’s professional development coordinator for guidance in applying for internship placements. The New York City Program offers students the opportunity to find their own housing and to share with classmates the expense of the higher costs of living in a major metropolitan area. During the NYC orientation, students are provided with housing leads to pursue in consultation with their parents and guardians. Although a student’s financial aid package applies to the NYC program, College Work Study funding is not available.

Internships and experiential learning are at the core of the New York City program. Given the rich cultural environment provided by such a vibrant international city, the College is creating other opportunities for its students to take advantage of living and learning in New York City. Please visit the Ithaca College in New York City web-site (www.ithaca.edu/oip/nyc) to keep abreast of new developments, see a listing of the courses being offered in situ or on line, and to print an application. There is also a list of contacts available to meet with interested students and answer any questions. Students from all five schools of the College are invited to apply and to consider the ways a semester in New York City may advance their personal and professional goals.

Course Prefixes and Symbols

<table>
<thead>
<tr>
<th>Course Prefixes</th>
<th>Department/Discipline</th>
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<tbody>
<tr>
<td>ACCT</td>
<td>Accounting</td>
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<td>ANTH</td>
<td>Anthropology</td>
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<td>ARAB</td>
<td>Arabic</td>
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<td>ARTH</td>
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<td>BGRD</td>
<td>Business — Graduate</td>
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<td>BINT</td>
<td>Business — Interdisciplinary</td>
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<td>BIOC</td>
<td>Biochemistry</td>
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<td>Chemistry</td>
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<td>CHIN</td>
<td>Chinese</td>
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<tr>
<td>CLTC</td>
<td>Culture and Communication</td>
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<td>CMSP</td>
<td>Community Service Program</td>
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<tr>
<td>CMST</td>
<td>Communication Studies</td>
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<td>CNPH</td>
<td>Cinema, Photography, and Media Arts</td>
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<td>COMP</td>
<td>Computer Science</td>
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<tr>
<td>CSCR</td>
<td>Culture, Race, and Ethnicity</td>
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<td>DNCE</td>
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<td>General Communications</td>
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<td>German</td>
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<td>GERD</td>
<td>Aging Studies (previously Gerontology)</td>
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<td>HEBR</td>
<td>Hebrew</td>
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<td>HINT</td>
<td>Health Sciences and Human Performance Interdisciplinary</td>
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<td>Health</td>
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<td>HRM</td>
<td>Human Resource Management</td>
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<tr>
<td>ICCU</td>
<td>ICCU (Ithaca College/Cornell University) Courses</td>
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<tr>
<td>IIIP</td>
<td>Individual and Interdisciplinary Studies Program</td>
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<td>INTB</td>
<td>International Business</td>
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<td>Music Ensembles</td>
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<td>MUMC</td>
<td>Additional Music Courses</td>
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<tr>
<td>MUNM</td>
<td>Courses for the Non-Music Major</td>
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<tr>
<td>MUTH</td>
<td>Music Theory, Sight-Singing, and Composition; Music History and Literature</td>
</tr>
</tbody>
</table>

**Key to Symbols**

- **F** Fall
- **S** Spring
- **Sum** Summer
- **E** Even (e.g., academic year 2006-2007)
- **O** Odd (e.g., academic year 2007-2008)
- **Y** Yearly
- **IRR** Irregular
- **F-S** Offered in both fall and spring semesters
- **GPA** Grade point average
B  Block course
R  Course must be taken at Ithaca College
LA  Liberal arts
NLA  Not liberal arts
FA  Fine arts
HU  Humanities
NS  Natural sciences
SS  Social sciences
U  Undesignated
HNS  Honors Course

**General Education Requirement Categories and Designations**

1  Self and society
2A  Science
2B  Mathematics and formal reasoning
3A  Language
3B  Visual and performing arts
G  Global perspective
H  Historical perspective

For detailed information about these designations, see the H&S general education requirements.

**Course Linkages**

/  between two course numbers means that either course may be taken.
-  between course numbers means that both courses must be taken in that order.

In addition to the courses listed in this catalog, others may be offered on an experimental basis. Details are available via Homer Connect, as well as in the Humanities and Sciences Supplement for the semester in which they are given. (https://homerconnect.ithaca.edu, http://www.ithaca.edu/hs/resources/supplement, http://www.ithaca.edu/registrar/)

**Academic Services**

**Academic Advising**

Effective academic advising is an essential component of an Ithaca College education. The College community is committed to providing the individual support, advice, and direction that students need to explore life and career goals and to develop educational plans. This advising relationship, as a collaborative, ongoing conversation, transcends mere course selection and attempts to assist all students as they explore academic programs, experience college life, focus on a major, and prepare for a lifetime of learning, citizenship, and service in a global community.

Each student is assigned an academic adviser from his or her school or division. The adviser maintains advisee records and provides information on major, minor, general education/distribution, and graduation requirements. The adviser also refers the student to appropriate persons or offices when extra assistance is needed and can help locate information on academic policies, procedures, and deadlines. In addition to meeting with their advisers during registration periods, students should actively seek their advisers’ assistance before academic problems develop. By working closely with their advisers, students can be better informed about the wide range of educational opportunities available at the College. The most productive and enjoyable student-adviser relationships develop with frequent interaction and open communication.

**Academic Enrichment Services**

The mission of Academic Enrichment Services (AES) is to promote excellence and undergraduate student achievement at Ithaca College. First-year students benefit from AES services as they transition from high school to collegiate level more advanced academics. IC students continue to use AES services for rigorous upper-level coursework during the second year and beyond.

We offer individual and small group tutoring and peer learning (undergraduate) groups (PLuGs). All of our peer tutors and PLuG leaders have excelled in their academic coursework and are trained according to standards set forth by the College Reading and Learning Association (www.crla.net).

Professional staff provides learning skills assistance such as note taking strategies, effective listening skills, time management and general support with organization, and more. The Emerging Scholars Program (an academic-year learning community) and IC Preview (a summer learning community) offers academic, professional development, and cultural support. Finally, in partnership with the Office of Residence Life, first-year academic coaches work in residence halls mentoring students and encouraging them to seek academic support through AES and other offices on campus before they are in jeopardy.

For more information on Academic Enrichment Services, go to www.ithaca.edu/aes; email us at aes@ithaca.edu; or call 607-274-3381.
**Student Disability Services**

Ithaca College seeks to ensure that all students have access to its programs and activities. The Office of Equal Opportunity Compliance oversees the College’s compliance with the Americans with Disabilities Act of 1990 (ADA). Student Disability Services assists students in accessing reasonable accommodations and in determining which accommodations are appropriate.

Reasonable accommodations may include, but are not limited to, testing modifications, academic accommodations such as note-taking support, adaptive technology, materials in alternate format, special housing arrangements and referral for other support services.

For additional information, contact Student Disability Services at 607-274-1005 or online. ([http://www.ithaca.edu/sds/](http://www.ithaca.edu/sds/))

**HEOP and CSTEM**

Ithaca College sponsors the New York State Arthur O. Eve Higher Education Opportunity Program (HEOP). HEOP provides a broad range of services to state residents who, because of academic and economic circumstances, would otherwise be unable to attend a postsecondary institution. HEOP students meet both academic and financial guidelines set by the New York State Education Department and the College.

In addition, Ithaca College sponsors the Careers in Science, Technology, Engineering, and Mathematics (C-STEM) Program. C-STEM provides academic enrichment and career-oriented experiences for students who are aiming for careers in science- and health-related fields or in licensed professions such as law and accounting. C-STEM students participate in internships, conduct research, and become involved with faculty or professional mentors to learn more about their areas of interest.

Eligibility for C-STEM depends on a number of factors, including New York residency, ethnicity, and family income levels.

More detailed descriptions of the programs, including application procedures, may be found under “Higher Education Opportunity Program” in the “Student Information” section. ([http://www.ithaca.edu/catalogs/ug1112/studentinfo/higher_education_opportunity_program/](http://www.ithaca.edu/catalogs/ug1112/studentinfo/higher_education_opportunity_program/))

**Orientation**

The Office of Student Engagement and Multicultural Affairs coordinates the Ithaca College orientation programs for students and their family members. These programs provide much of the necessary information for incoming students to complete a smooth transition to the Ithaca College community. During orientation students meet with an academic adviser, register for first-semester classes, and learn about academic procedures, support services, and resources available to them. Students and family members also engage in a variety of programs and activities facilitated by the orientation leaders and orientation staff during their time on campus. On the College’s receipt of the enrollment deposit, students receive information about signing up for summer orientation. Further information can be obtained by contacting the Office of Student Engagement and Multicultural Affairs. ([http://www.ithaca.edu/fye/](http://www.ithaca.edu/fye/))

**Special Academic Opportunities**

Qualified students can pursue special prestigious academic opportunities such as the Rhodes Scholarship, Truman Scholarship, Barry M. Goldwater Scholarship, Minority Leaders Fellowship Program, and the All-USA College Academic Team recognition. For information on the institutional nomination process and other details, contact the Office of the Provost. Students interested in the Barry M. Goldwater Scholarship should contact the Office of the Dean in the School of Humanities and Sciences.

**Multicultural Academic Programs**

The Ithaca Achievement Program (IAP) is a community of learners dedicated to personal and academic success. African American, Latino American, Native American, and Asian American (ALANA) students who choose to participate in this academic program receive academic support and career assistance tailored to meet their needs. They take part in a wide variety of educational, cultural, social, and community service activities to enhance their success. Students may join the IAP as entering freshmen or as rising sophomores or juniors. Entering freshmen may choose to attend a summer institute. IAP participants who obtain or maintain an annual grade point average of 3.00 or better will be recognized as “achievers” and may be eligible to receive an Ithaca Achievers Grant, renewable each year, to reduce the loan portion of their financial aid packages. (Students without loans, HEOP students, and recipients of merit-based scholarships are not eligible for this grant.)

The Martin Luther King Jr. (MLK) Scholar Program is open to academically talented students from ethnic and racial backgrounds that have been historically underrepresented in American higher education. Scholars receive up to full tuition in aid every year, with a minimum merit-based scholarship of $25,000. MLK scholar awards are renewable annually. MLK scholars are expected to maintain a cumulative B+ average; participate in community service each semester; live in the Housing Offering Multicultural Experience (HOME) program, the College’s residential multicultural living learning community, during their first year; travel annually; complete a three-year independent research learning proposal; produce a leadership E-portfolio reflecting on service, travel, and leadership experiences; and participate in all required programs, including orientation, seminars,
and meetings, and in at least 80 percent of other planned events and activities.

Library

The primary mission of the Ithaca College library is to enhance teaching and learning through the provision of flexible, diverse, and user-centered information services and resources. The library staff works to create an organization that is receptive to change, recognized for efficient management, and committed to user service and satisfaction. Librarians assist users with curricular and research information needs in person and online. Individual appointments for in-depth assistance are also available. Instructional workshops focusing on introductory and advanced research in subject areas are offered across the campus. Course-related reserve materials are also available in print and electronically. The Library facility is organized to support a variety of user needs, with group study and quiet/silent study zones on individual floors.

In consultation with faculty and students, librarians develop a collection of materials in print, audio, video, film, and electronic formats, accessible through the library’s research portal. The current collection contains approximately 386,000 monograph volumes, 71,000 e-books, 10,000 visual recordings, and 23,700 audio recordings selected to meet the teaching and research needs of students and faculty. The library provides print and electronic access to 2,500 individual serial titles. Access is provided to approximately 41,000 serial publications via subscriptions to over 100 databases. A web-based interlibrary loan service provides access to materials not owned by the library. The library facility is open more than 112 hours per week and supports wireless functionality. The library’s collection of wireless laptop computers and tablet PCs circulate for three-hour periods in the library. The library also loans pocket HD camcorders for student media projects. A Digital Media Lab provides space for students to create and edit multimedia projects that incorporate graphic design, audio, and video elements. Students will be able to collaborate on projects and refine presentations. Digital-audio reserve services, workstations equipped with a full suite of software applications, public scanners, and enhanced electronic journal collections are additional technology-enhanced services.

The library staff is committed to continually improving its services, resources, and facilities, maintaining a community dialogue on its website and purchasing new resources in response to user requests.

For current information on library services and resources, visit the library website. (http://www.ithaca.edu/library/)

Writing Center

The Writing Center, located on the ground floor of Smiddy Hall, serves all students who wish to become better writers. It offers individual and small group tutorials to students needing assistance at any stage of the writing process in any discipline, from brainstorming ideas to revising drafts for clarity, coherence, correctness, and documentation of sources. Assistance is also offered in improving reading comprehension and refining written English skills for international students.

Information Technology Services

All computers in the library, classrooms, campus computer labs, and other College facilities are supported by Information Technology Services (ITS). Every school in the College offers courses that include computing. Students studying such diverse topics as music theory, developmental psychology, finance, physical therapy, or writing will find opportunities to use computers for class. An extensive collection of programming languages, data analysis packages, and business programs supports the curriculum.

The ITS staff consists of an associate vice president and approximately 70 full-time professional employees. Members of the staff provide free workshops and consulting services to Ithaca College students and faculty. ITS offices are located in Job Hall; phone 607-274-1000.

ITS supports student computer facilities located all over the campus, containing more than 650 computers on a campuswide network. This includes Macintosh and Windows computer classrooms, along with a number of open-access labs staffed by student consultants. The largest and most popular facility is the computer complex on the first floor of Friends Hall. Friends 110 lab is open 24 hours a day, and the others are open from early morning to late at night throughout the school year. All Ithaca College students automatically receive an account for using e-mail.

The College has installed network connections for students in all of the residence hall rooms. Students who have their own computers can use these connections for high-speed access to campus computer resources. Apogee Telecom offers Internet access service plans for Ithaca College students, which provide reliable, high-speed access to on-campus networked services.

Ithaca College’s website offers a plethora of information about ITS’ services. (http://www.ithaca.edu/its/)

Equity in Athletics

Under the Equity in Athletics Disclosure Act of 1994 (PL 103-382), Ithaca College is required to disclose annually certain information concerning the College’s intercollegiate athletics program. This information, based on the previous reporting year, is available for inspection upon request by students, prospective students, and the public in the office of the Director of Athletics and Recreational Sports, 120B Athletics and Events Center.
Office of Public Safety

The Office of Public Safety (OPS) is located in the Center for Public Safety and General Services and is operational 24 hours per day, 7 days per week, year round. The Communications Center is staffed by an OPS member at all times and can be reached by calling (607) 274-3333 or extension 3333 from an on campus phone.

OPS is a full service public safety provider with responsibility for campus safety, campus crime awareness and campus crime prevention and education. OPS Officers are a well trained team inclusive of uniformed campus police officers and state-certified security officers. In addition to Patrol and Security operations (to include Investigations), OPS is comprised of Parking and Traffic Services, Environmental Health & Safety, and Student Auxiliary Safety Patrol (SASP). OPS areas of responsibility include emergency response, fire safety, crime prevention programming, special event staffing, providing safety escorts, repository for lost and found, administering vehicle assistance, and managing vehicular and traffic control on campus. For a comprehensive view of services provided by OPS you may visit our website at http://www.ithaca.edu/sacl/safety/

In compliance with federal requirements mandated by the Jeanne Clery Disclosure of Campus Security Policy and Campus Statistics Act [20 USC 1092(f)], OPS is responsible for preparing, publishing and distributing an annual security report by October 1 of each year, for the purpose of disclosing and disseminating certain information regarding campus crime statistics, security policies and campus law enforcement. Information mandated by this Act include statements about campus law enforcement policies, campus security education and prevention programs, alcohol and drug policies, sexual assault education and prevention programs, procedures for reporting sexual assaults, and procedures for handling reports of sexual assault. To view the publication electronically, please visit http://www.ithaca.edu/sacl/safety/docs/AnnualSecRep or you may request a hard copy via phone or walk-in to OPS. The crime statistics for Ithaca College (also contained in the annual security report) are submitted to the U.S. Department of Education (ED) through a web-based data collection system and can be viewed at the following web address: http://www.ope.ed.gov/security.

Be Ready! Be Safe!

All campus community members are urged to become familiar with the Emergency Readiness and Response Guide which can be viewed and downloaded from our website at http://www.ithaca.edu/emergency/docs/emergencyresponse.pdf along with our reoccurring message on Gorge Safety at http://www.ithaca.edu/sacl/safety/docs/gorgesafety.pdf

Ithaca College Honors Program

Robert G. Sullivan, Associate Professor and Director

A select number of exceptionally qualified applicants to Ithaca College are invited to apply to the Ithaca College Honors Program; if admitted, they participate in a series of special, intensive seminars complemented by an array of out-of-class activities. Starting in the fall of the first year, honors students begin a sequence of six honors seminar courses that help students meet general education and distribution requirements. The sequence includes:

- a first-year seminar taken in the first semester;
- four intermediate seminars; and
- a capstone seminar on universal issues, taken in the senior year.

The seminars focus on a problem, theme, or topic approached from multiple perspectives, taking the student beyond the normal boundaries of disciplinary thought. Students who complete the full seminar sequence graduate with honors in humanities and sciences as designated on their official College transcript. The Ithaca College Honors Program does not conflict with departmental honors programs; qualified students can complete both.

Qualified students not originally admitted to the honors program can apply after their first semester; early application is encouraged. Internal transfers to the program must complete a modified requirement of five honors courses: four intermediate seminars and the senior-year seminar.

External transfer students may apply and will be considered for the program on a case-by-case basis. They are subject to the same honors program requirements as internal transfers. External transfer students with honors associate degrees from institutions with which Ithaca College has articulation agreements may apply for the program. If they are admitted, they are required to complete a total of three courses: two intermediate seminars and the senior-year seminar.

Honors Program
Mary Ellen Zuckerman, Dean
Barbara Howard, Associate Dean
Ayana Richardson, Assistant Dean for Student Services

For full faculty listing, see “Faculty and Administration.” (p. 331)

Introduction
The Ithaca College School of Business offers a bachelor of science degree program in accounting; a bachelor of science degree program in business administration, with concentrations in corporate accounting, finance, international business, management, and marketing; and two master of business administration degree programs, all of which are accredited by the Association to Advance Collegiate Schools of Business (AACSB) International. In addition, the School of Business offers a bachelor of arts in legal studies. Our undergraduate programs are designed to prepare students for careers in business and industry, for graduate or law school, or for the CPA/CMA examinations. Students are encouraged to seek additional information about these programs in this catalog or from the appropriate dean’s office.

Strong academic advising is available from the School of Business faculty and the student services team in the dean’s office, as well as from other areas within the College, to help students make the choices necessary to be successful at Ithaca College and in the future.

Mission
The School of Business at Ithaca College is dedicated to excellence in business education grounded in the liberal arts tradition. Our degree programs align theory with practice within the global and ethical decision-making context necessary to grow sustainable enterprises. Our commitment to teaching fosters a diverse, dynamic learning community where students can develop the knowledge, skills, and character needed for leadership in their organizations and communities. Our students engage in leadership, teamwork, and experiential activities in and beyond the classroom. Our faculty members pursue scholarly activities that enhance our teaching mission and enrich the classroom experience.

Objectives
• To attract and retain a talented, diverse group of baccalaureate business and accounting majors.

• To attract and retain academically and professionally qualified faculty members who are, first and foremost, excellent educators.

• The school provides faculty development opportunities and instructional resources that enable faculty members to stay at the leading edge of knowledge in their disciplines.

• The faculty engage in scholarly pursuits and developmental activities in their disciplines to bring current theories and empirical knowledge into the classroom and to further knowledge in their respective fields.

• To prepare undergraduate students to succeed in a complex, changing world and to provide a foundation for subsequent lifelong learning by offering an extensive program of study in the following:

  the humanities, social sciences, and natural sciences;

  a professional business core curriculum that is based on theory, empirical research, and practice; and

  one or more functional business concentrations.

• To provide the opportunity for undergraduate majors to complete their graduate education prior to launching their careers by offering a one-year M.B.A. program.

• To develop the skills and values that enable students to translate knowledge acquired in the classroom into competent managerial behavior by providing numerous venues in which students can practice what they have studied in class and grow professionally in the process.

• Students are helped and encouraged to complete internships in a variety of profit-making and nonprofit organizations.

• The school actively supports a number of highly successful student professional organizations. The habits of thought and action that constitute character are learned by participating in organizations whose members exemplify those habits in their everyday behaviors. Because of this, the school encourages students to take active roles in these organizations, where they can experience leadership and service to others and come to view both as essential elements of a productive life.

• Students are provided opportunities to interact with distinguished alumni and regional business leaders, who share their experiences, host interns, and provide employment opportunities.

Academic Policies

Credit Limit
Undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG).

High School Preparation for Accounting and Business Administration Majors

We strongly recommend that, in addition to the college preparatory courses necessary for admission to Ithaca College, students take at least three years of mathematics in high school. Algebra should be taken at the highest level possible. The more preparation obtained at the high school level, the more readily students can adapt to the quantitative aspects of the business education of today and the business world of tomorrow.

Transfer Policies

Transfer Students from Another Institution

Students may be permitted to transfer to the School of Business from another institution provided that the institution is an accredited college or university and that the student has earned a 2.50 minimum cumulative GPA for all coursework undertaken. The student is responsible for requesting that an official transcript be sent to the registrar’s office. Credit for individual courses taken at another institution is granted based on the following policies.

Credit will be granted for courses in which a grade of C- or above is earned. Credits are transferable; grades are not. Transfer credit may be granted for the following:

- all non-business courses;
- courses that are equivalent to level-1 and level-2 (first- and second-year) business courses taught at Ithaca College;
- courses that are equivalent to level-3 (third-year) and level-4 (fourth-year) Ithaca College business courses taken at AACSB-accredited institutions;
- courses that are equivalent to level-3 (third-year) Ithaca College business courses taken at non-AACSB-accredited institutions; the courses must be validated by passing an exam administered by the dean’s office in the School of Business with a grade of at least C-.

Students who do not pass the validation exam as specified above may receive credit for the applicable transfer course (level 2 or higher) only as an open elective. Arrangements for taking the validation exams must be made through the School of Business dean’s office no later than the first day of classes of the student’s second semester. Courses that are equivalent to level-4 (fourth-year) Ithaca College business courses taken at AACSB-accredited institutions may transfer on a case-by-case basis and only if approved in advance by the School of Business Academic Variance Group.

The student’s academic dean determines eligibility for transfer credit on the basis of the course number, title, and catalog description. In cases where such information is insufficient to establish the equivalency of the course, the student will be required to provide a copy of the course syllabus.

In addition, students who transfer to the School of Business must complete their last 48 credits (usually four semesters of full-time study) and at least 50 percent of the business coursework in the accounting or business administration major at Ithaca College. The implication of these policies for transfer students is that students may graduate with more than 120 credit hours to satisfy the requirements of the degree programs.

For information about AACSB-accredited institutions: http://www.aacsb.edu/accreditation/AccreditedMembers.asp

Transfer Students from Other Schools at Ithaca College

Students from other schools within Ithaca College may apply to transfer to the School of Business at any time after their first semester provided that they have a cumulative GPA of 2.50 or above. Applications are available in the School of Business dean’s office. Strongest consideration will be given to applicants who have completed degree-foundation courses with a B or higher. These courses include calculus, statistics, microeconomics, macroeconomics, and writing for both accounting and business administration.

School of Business Students Taking Courses at Other Institutions

Students assume responsibility for the transferability of credits for courses taken elsewhere and must adhere to the following procedures and policies.

Before taking courses elsewhere, the student must obtain the petition for transfer credit form, available from the registrar’s office, complete the form (including course descriptions), and present it for approval to the chairs of the departments to which the courses relate. Preapproval must also be obtained from the dean of the School of Business before enrolling in courses to be taken at another institution.

For level-3 and level-4 business courses, only those taken at AACSB-accredited institutions will be reviewed. (http://www.aacsb.edu/accreditation/AccreditedMembers.asp)

After completion of such courses, the student is responsible for requesting that an official transcript be sent to the registrar’s office. Credit will be granted for courses in which a grade of C- or above is earned. Credits are transferable; grades are not.
Courses taken at the Ithaca College London Center or through the cross-registration program with Cornell University are considered Ithaca College credits. Grades for such courses appear on the student’s transcript and are applied toward the Ithaca College cumulative GPA. See "Graduation and Program Regulations." (p. 287)

Senior Credit-Hour Policy
Seniors are required to complete the last 30 credits of their degree program at Ithaca College. For more information, see “Graduation and Program Regulations.” (p. 287)

Satisfactory/D/Fail Option
No ACCT, BINT, FINA, GBUS, INTB, HRM, MGMT, or MKTG course may be taken on an S/D/F basis by accounting and business majors or minors. Moreover, neither STCM 24100 Advertising nor STCM 23200 Public Relations may be taken S/D/F by business majors or minors because these courses are considered business electives for business students. Non-business courses required for a major or minor cannot be taken on an S/D/F basis.

The following categories of courses may be taken S/D/F by accounting and business majors: open non-business liberal arts electives, humanities, social sciences, natural sciences, business-oriented cultural diversity liberal arts electives, fine arts electives, approved international liberal arts electives (by accounting majors, international business certificate students, and international business concentrators); open electives that are not business courses; and internships (which are offered pass/fail only). All other courses must be taken for a letter grade.

Students enrolled in the international business certificate program should note the S/D/F stipulations for that program. The foreign language and international business/economics courses may not be taken on an S/D/F basis. A maximum of two courses in the area studies/international relations track may be taken on an S/D/F basis.

Business Electives
Any level-2, 3, or 4 ACCT, FINA, GBUS, INTB, HRM, MGMT, or MKTG course, unless otherwise stated, may serve as a business elective. No LGST courses may be taken as business electives. In addition, two specific non-business courses may serve as business electives: STCM 24100 Advertising and STCM 23200 Public Relations.

Academic Achievement and Advising

Dean’s List
In order to earn a place on the dean’s list in the School of Business, students must satisfy all of the following criteria:

1. a minimum semester grade point average of 3.50;
2. completion of a minimum of 15 credits, of which at least 12 are graded (not pass/fail or Satisfactory/D/F option); and
3. no final grades of D, F, or I.

Grade changes that affect placement on the dean’s list must be completed no later than two weeks before the beginning of the following semester.

Advising
Facilitating student growth and learning is a priority for business school faculty and staff. Each student who is a business school major is assigned a faculty adviser to assist with progress toward completing their major requirements and to serve as a resource for exploring interests and career goals. It is strongly recommended that business school majors meet with their advisers at least twice each semester, once at the beginning of the semester and again during the advising period before online registration for the following semester.

Students who are business school minors are assigned to a faculty adviser in the School of Business in addition to their major adviser.

Peer Advising Program
Peer advisers are students trained in academic policies and procedures and in skills to help first-year students in matters relating to academic programs. Each year a selection process is conducted for interested and competent students. The availability of this service encourages students to view advising as an ongoing process that involves more than just registering for a course.

Academic Status
Students should be aware of the College policy on grading; see the “Credit and Grade Information” section (p. 285).

Academic Warning
All Ithaca College School of Business students with a cumulative GPA between 1.01 and 1.99 will be placed on academic warning. They will receive a notice of academic warning from the dean’s office with an academic contract notifying them of the semester GPA needed to regain good academic standing (2.00 cumulative GPA); they will be limited to 12-15 credit hours for the semester; and they will be given other recommendations for academic improvement (attending academic enrichment seminars, meeting regularly with a campus representative, working with a tutor if retaking a class, etc.). Students on academic warning will be advised to curtail any activity that is detrimental to regaining good academic standing (e.g., on- and off-campus employment, student organization leadership, socially unhealthy activities).

Academic Suspension
Ithaca College School of Business students who fail to meet their academic warning contract will be subject to academic suspension. Academic suspension mandates one semester and a summer or winter term away from campus. Students must reapply through the registrar’s office to return to the College and demonstrate that they have met the conditions of their suspension.

First-semester freshmen and first-semester transfer students with a cumulative GPA of less than 1.01 will be academically suspended but will be eligible for expedited appeal through the dean’s office. Those students reinstated following expedited appeal of suspension will be placed on academic warning with an academic contract. They must meet expectations for students on academic warning.

**Academic Dismissal**

Students who are reinstated following academic suspension and who fail to meet their academic contract will be subject to academic dismissal, with the right of appeal to the School of Business dean’s office. Students who are academically dismissed are ineligible to apply for readmission to Ithaca College. Any academic contract, whether signed by the student or not, will be in effect for the term in question. Grounds for appeal will depend on mitigating circumstances such as a death in the family, injury or illness requiring hospitalization, and other special circumstances.

**Application of Courses to More than One Concentration or Minor**

Business Administration majors may use a course to satisfy degree requirements in more than one business concentration as long as they complete 12 unique credits in each concentration. Similarly, if a program of study outside the School of Business requires a business course, students majoring in that subject may also apply the business course toward a business major, concentration, or minor.

**Special Programs**

**Leadership Certificate Requirement (Noncredit)**

All students enrolled in the School of Business must complete one leadership certificate program offered by the College’s student leadership office (part of the Office of Student Engagement and Multicultural Affairs [OSEMA]) as part of their requirements for graduation. Students can choose to either complete the leading-others or leadership-in-a-diverse-world certificate. For each certificate, the student completes six workshops from a list of topics offered by OSEMA each semester.

**The Business-Link Professions Program (Noncredit)**

http://ithaca.edu/business/professions

All students enrolled in the School of Business must complete a series of four theme-based workshops conducted by business school staff, faculty, alumni and/or employers. Four programming themes are:

**Theme I - Freshman Program Orientation**

- Effective Communication and Networking Basics
- Dress for Professional Interview Success

**Theme II - Freshman/Sophomore Workshop**

- Good Work Habits
- Essentials for Effective Interviewing

**Theme III - Sophomore/Junior Seminar**

- School of Business Internship Courses and Individualized Search Plan
- Student Internship Panel

**Theme IV - Junior/Senior Conference**

- Transition from College to Career/Graduate School
- Personal Financial Decision Making
- Alumni Panel

**Internships**

The internship program, an off-campus experience involving varied, nonroutine work projects, is available for interested students who qualify. There are two types of internships. Students can choose to do an internship for credit only. Credits earned can be counted towards a 300 level general business requirement or open elective. The second type of internship is designed to allow students to synthesize the academic theory they have learned with real-world experiences. Credits earned in an internship with academic enhancement may be counted towards a 400 level concentration specific elective.

The program places primary responsibility on the student. For internship for credit, the students work with the Business-Link Professions Program Office. For internships with academic enhancement, the students work with a faculty sponsor and the Business-Link Professions Program Office to develop a project proposal and carry out its requirements. Internships are available during the fall, spring, summer semester, and winter breaks. An internship may not be repeated for credit with the same employer. A maximum of 6 credits may be earned in any combination of internships.

For internships with academic enhancement, students must be seniors and they must have attained a minimum cumulative GPA of 2.70 and completed the appropriate principles course in their respective major or concentration.
Students interested in transferring to Ithaca College under an articulation agreement are encouraged to contact the associate dean of the Ithaca College School of Business. See articulation agreements.

Honors

Dean’s Award

Each year the dean, in consultation with the school’s faculty, selects one or more graduating seniors for the Dean’s Award. The award is given in recognition of superior scholastic achievement and extracurricular service to the College, school, and student body.

Dean’s Leadership and Distinguished Service Award

Each year the dean, in consultation with the school’s faculty, selects one or more graduating seniors for the Dean’s Leadership and Distinguished Service Award. The award is given in recognition of distinguished leadership activities and service to the College, school, and student body.

Accounting

The graduating senior accounting major with the highest GPA in accounting courses is given an award by the New York State Society of Certified Public Accountants.

Two students are selected by the accounting faculty to receive awards for excellence by the Southern Tier chapter of the New York State Society of Certified Public Accountants. One award is for excellence in accounting, the other for excellence in auditing.

Finance

Each year the top senior finance major is selected by the finance faculty to receive the Wall Street Journal Student Achievement Award.

Beta Alpha Psi

Beta Alpha Psi is an honorary organization for financial-information students and professionals. The primary objective of Beta Alpha Psi is to encourage and give recognition to scholastic and professional excellence in the field of business information. Ithaca College’s Mu Alpha chapter invites undergraduate students in good standing with a declared major in accounting or a concentration in finance or corporate accounting who have completed at least 30 credit hours and attained a minimum cumulative GPA of 3.30 to join as candidates for initiation. Upon completion of participatory and community service requirements, at least 60 credit hours, a minimum cumulative GPA of 3.30, and at least a 3.30 cumulative GPA in upper-level accounting and finance courses at Ithaca College, candidates may be initiated as student members into the Mu Alpha chapter of Beta Alpha Psi. Degree-seeking graduate students focusing on accounting or finance also shall be eligible for membership.
Beta Gamma Sigma

Lifetime membership in Beta Gamma Sigma is the highest recognition a business student anywhere in the world can receive in a business program accredited by AACSB International. The mission of Beta Gamma Sigma, an honorary business organization founded in 1913, is to encourage and recognize academic achievement in the study of business. Undergraduate juniors and seniors who rank in the top 10 percent of their class and have completed 30 credits in the School of Business will be invited to become members. Eligible M.B.A. students must rank in the upper 20 percent of their graduating class in order to be eligible for induction. Candidates must also be of good moral character. The induction takes place in the spring semester.

Sigma Iota Epsilon

Students enrolled in management-related programs throughout the College are eligible for membership in the Zeta Iota chapter of Sigma Iota Epsilon, the national honorary/professional management fraternity and student division of the prestigious Academy of Management. Undergraduate candidates for membership must have completed 30 credits at Ithaca College, have completed at least one management course with a grade of B or better, and have a minimum cumulative GPA of 3.25. Graduate students must have completed 9 credits at Ithaca College and have a cumulative GPA of 3.50 or higher. Candidates must also complete additional coursework in management and be of good moral character.

Students are encouraged to seek additional information about these programs from the dean’s office.

Accounting

The accounting curriculum prepares students for a range of careers in accounting and serves as an excellent background for graduate studies and law school. Students develop strong communication, interpersonal, and problem-solving capabilities while learning to apply theoretical concepts and use accounting data, along with other analytical measurements, for decision making. Many challenging positions are available for students with accounting backgrounds.

For students interested in pursuing careers as certified public accountants, the accounting department offers a five-year, dual-degree program in accounting that is registered with the New York State Education Department. Students may receive a B.S. in accounting after four years of study and an M.B.A in professional accountancy after their fifth year of study. Admission to the M.B.A in professional accountancy is separate from admission to the B.S. in accounting (see below).

For full course descriptions see:

ACCT courses (p. 350)

BINT courses (p. 374)

ECON courses (p. 410)

FINA courses (p. 435)

GBUS courses (p. 439)

HRM courses (p. 467)

MGMT courses (p. 484)

MKTG courses (p. 487)

(p. 467)

Accounting Major — B.S.

Notes

1. Licensure as a Certified Public Accountant (CPA) in New York State requires 150 hours of study. The School of Business has designed a five-year, dual-degree program, the B.S. in accounting/M.B.A. in professional accountancy, to fulfill the requisite coursework. Students who opt to complete just the B.S. in accounting degree will not qualify to be licensed as a CPA in New York state.

2. All level-3 and level-4 courses must be taken at AACSB-accredited institutions.

3. The last 30 credits of the degree must be taken at Ithaca College.

4. All students enrolled in the School of Business must complete one leadership certificate program offered by the College's student leadership office (part of the Office of Student Engagement and Multicultural Affairs [OSEMA]) as part of their requirements for graduation. Students can choose to either complete the leading-others or leadership-in-a-diverse-world certificate. For each certificate, the student completes six workshops from a list of topics offered by OSEMA each semester. They must also complete all four themes offered under the Business-Link Professions Program.

Core accounting curriculum

Business skills

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINT 10100</td>
<td>World of Business</td>
<td>3</td>
</tr>
<tr>
<td>BINT 10400</td>
<td>Professions Exploration</td>
<td></td>
</tr>
<tr>
<td>BINT 20400</td>
<td>Field Immersion</td>
<td></td>
</tr>
<tr>
<td>ECON 12100</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 12200</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22500</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22600</td>
<td>Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>GBUS 20300</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 20600</td>
<td>Organizational Behavior and Management</td>
<td>3</td>
</tr>
</tbody>
</table>

ECON courses (p. 374)
MGMT 26000  Business Systems and Technology  3
FINA 31100  Business Finance  3
MKTG 31200  Principles of Marketing  3
MGMT 34500  Operations Management  3
HRM 30200  Applied Ethical Issues in Management  3
MGMT 42100  Strategic Management  3
ACCT 34600  Intermediate Accounting II  3
ECON 22000  Managerial Economics  3
ACCT 34600  Intermediate Accounting II  3
ACCT 49300  Tax Accounting  3
ACCT 49600  Practicum in Tax Accounting  3
ACCT 31500  Cost Analysis and Decision Making  3
GBUS 30700  Commercial Law  3

Subtotal: 63

Communication skills
WRTG 10600  Academic Writing I  3
or
WRTG 11100  Academic Writing II  3
WRTG 21100  Writing for the Workplace  3
CMST 11500  Business & Professional Comm  3

Subtotal: 9

Computing and mathematics skills
COMP 11000  Computers and Information Technologies  3
or
COMP 17100  Principles of Computing Science I  4

Select one of the following:
MATH 10700  Fundamentals of Applied Calculus  4
or
MATH 10800  Calculus for Decision Making  4
or
MATH 11100  Calculus I  4
MATH 10700: placement test groups 2 and 3
MATH 10800: groups 1 and 2
MATH 11100: group 1

Select one of the following:
MATH 14400  Statistics for Business, Economics and Management  4
PSYC 20700  Statistics in Psychology  4

Subtotal: 10-12

Liberal arts electives
As part of the 60 credits in liberal arts courses required for the bachelor of science in accounting degree, students must take liberal arts courses required for the major (above), “restricted” liberal arts electives, an “approved international” liberal arts elective, and “open” liberal arts electives.

Liberal arts courses required for major 31-33

“Restricted” liberal arts electives:
Social science liberal arts (SS) (6)
Humanities liberal arts (HU) (3)
Natural science liberal arts in biology, chemistry, or physics (NS) (3)

“Approved fine arts” liberal arts elective (LA) (3)

Business-oriented cultural diversity liberal arts elective (3)

“Approved international” liberal arts elective 3

“Open” liberal arts electives 6-8

“Approved fine arts” liberal arts elective: Liberal arts course containing fine arts content (list available on School of Business website and in the dean’s office)

Business-oriented cultural diversity liberal arts elective: Liberal arts courses that focus on workplace-related issues — such as gender, race, ethnicity, age, family status, religion, nationality, sexual orientation, and disability — that affect employees’ interactions and management of human resources (list available on School of Business website and in the dean’s office)

“Approved international” liberal arts elective: Accounting students must take one “approved international” liberal arts elective. The business-oriented cultural diversity elective and the approved international business liberal arts elective may not be the same course (list available on School of Business website and in the dean’s office).

“Open” liberal arts electives: Any College courses with a liberal arts (LA) designation.

Business Administration
The bachelor of science program in business administration provides significantly more flexibility than traditional programs for business majors. A strong liberal arts and business education prepares students for business careers and graduate study, while allowing a substantial amount of elective freedom for individual interests.

Requirements for the bachelor of science degree in business administration include completion of a core
business curriculum, liberal arts courses, open electives, and at least one of five areas of concentration: corporate accounting, finance, international business, management, or marketing.

For full course descriptions see:
ACCT courses (p. 350)
BINT courses (p. 374)
ECON courses (p. 410)
FINA courses (p. 435)
GBUS courses (p. 439)
HRM courses (p. 467)
INTB courses
MGMT courses
MKTG courses

Business Administration Major—B.S.

1. All level-3 and level-4 courses must be taken at AACSB-accredited institutions.

2. The last 30 credits of the degree must be taken at Ithaca College.

3. All students enrolled in the School of Business must complete one leadership certificate program offered by the College's student leadership office (part of the Office of Student Engagement and Multicultural Affairs [OSEMA]) as part of their requirements for graduation. Students can choose to either complete the leading-others or leadership-in-a-diverse-world certificate. For each certificate, the student completes six workshops from a list of topics offered by OSEMA each semester. They must also complete all four themes offered under the Business-Link Professions Program.

Core business curriculum

Business skills
BINT 10100 World of Business 3
BINT 10400 Professions Exploration
BINT 20400 Field Immersion
ACCT 1xxxx Minicourses in business 3
FINA 1xxxx Minicourses in business 3
INTB 1xxxx Minicourses in business 3
MKTG 1xxxx Minicourses in business 3
MGMT 1xxxx Minicourses in business 3
ECON 12100 Principles of Macroeconomics 3
ECON 12200 Principles of Microeconomics 3
ACCT 22500 Financial Accounting 3
ACCT 22600 Management Accounting 3
GBUS 20300 Legal Environment of Business I 3

MGMT 20600 Organizational Behavior and Management 3
MGMT 26000 Business Systems and Technology 3
FINA 31100 Business Finance 3
MKTG 31200 Principles of Marketing 3
MGMT 34500 Operations Management 3
HRM 30200 Applied Ethical Issues in Management 3
MGMT 42100 Strategic Management 3

Subtotal: 42

3 credits of minicourses
Communication skills
WRTG 10600 Academic Writing I 3
or
WRTG 11100 Academic Writing II 3
WRTG 21100 Writing for the Workplace 3
CMST 11500 Business & Professional Comm 3

Subtotal: 9

Computing and mathematics skills
COMP 11000 Computers and Information Technologies 3
or
COMP 17100 Principles of Computing Science I 4

Select one of the following:
MATH 10700 Fundamentals of Applied Calculus 4
MATH 10800 Calculus for Decision Making 4
MATH 11100 Calculus I 4

MATH 10700: placement test groups 2 and 3
MATH 10800: groups 1 and 2
MATH 11100: group 1

Select one of the following:
MATH 14400 Statistics for Business, Economics and Management 4
PSYC 20700 Statistics in Psychology 4

Subtotal: 10-12

Subtotal: 61-63

Liberal arts electives

As part of the 60 credits in liberal arts courses required for the bachelor of science in accounting degree, students must take liberal arts courses required for the major (above), “restricted” liberal arts electives, an “approved
international” liberal arts elective, and “open” liberal arts electives.
Liberal arts courses required for major  28-30

“Restricted” liberal arts electives:
Social science liberal arts (SS) (6)
Humanities liberal arts (HU) (3)
Natural science liberal arts in biology, chemistry, or physics (NS) (3)
“Approved fine arts” liberal arts elective (LA) (3)
Business-oriented cultural diversity liberal arts elective (3)
“Open” liberal arts electives  6-8

“Approved fine arts” liberal arts elective: Liberal arts course containing fine arts content (list available on School of Business website and in the dean’s office)

Business-oriented cultural diversity liberal arts elective: Liberal arts courses that focus on workplace-related issues — such as gender, race, ethnicity, age, family status, religion, nationality, sexual orientation, and disability — that affect employees’ interactions and management of human resources (list available on School of Business website and in the dean’s office)

“Approved international” liberal arts elective: Accounting students must take one “approved international” liberal arts elective. The business-oriented cultural diversity elective and the approved international business liberal arts elective may not be the same course (list available on School of Business website and in the dean’s office).

“Open” liberal arts electives: Any College courses with a liberal arts (LA) designation.

Concentration Requirements

Corporate Accounting Concentration

Note: Students interested in sitting for the certified public accountant (CPA) examination should select the five-year, dual degree program, the B.S. in accounting/M.B.A. in professional accountancy. The B.S. in business administration with corporate accounting concentration might not qualify the student to sit for the CPA examination. The corporate accounting concentration is available only as a second concentration.

Course listing:
ACCT 31500 Cost Analysis and Decision Making  3
ACCT 34500 Intermediate Accounting I  3
ACCT 34600 Intermediate Accounting II  3

Approved electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business elective</td>
<td>3</td>
</tr>
<tr>
<td>Business elective with international focus</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18

Business electives: Any level-2 or above course offered in the School of Business with the prefix of ACCT, FINA, GBUS, HRM, INTB, MKTG, or MGMT may serve as business electives; STCM 24100 Advertising and STCM 23200 Public Relations may also serve as business electives.

Subtotal: 18

Finance Concentration

Course listing:
FINA 32100 Security Analysis and Portfolio Management  3
FINA 37000 International Finance  3
FINA 48000 Cases in Financial Management  3
Finance elective (FINA course level 2 or above) Business electives  6

Subtotal: 18

Business electives: Any level-2 or above course offered in the School of Business with the prefix of either ACCT, FINA, GBUS, HRM, INTB, MKTG, or MGMT, may serve as business electives including STCM 24100 Advertising and STCM 23200 Public Relations.

Subtotal: 18

International Business Concentration

Course listing:
INTB 26500 International Business Operations  3
MKTG 38000 International Marketing  3
FINA 37000 International Finance  3
INTB 49000 Seminar in International Business  3
Business electives  6

Subtotal: 18

Business electives: Any level-2 or above course offered in the School of Business with the prefix of ACCT, FINA, GBUS, HRM, INTB, MKTG, or MGMT, may serve as business electives; STCM 24100 Advertising and STCM 23200 Public Relations may also serve as business electives. Both business electives must be in the same functional area and have the same prefix.

Notes:
1. As part of the liberal arts requirements, students pursuing the international business concentration must take two approved international liberal arts electives (list available on School of Business website and in the dean’s office). The business-oriented cultural diversity elective and the approved international business liberal arts elective may not be the same course.

2. As part of the international business concentration, students must take at least two intermediate college-level or above foreign-language courses. If English is the student’s second language, the student should see the assistant dean regarding this requirement.

Subtotal: 18

Management Concentration
Course listing:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 31200</td>
<td>Leadership, Power, and Politics in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 46000</td>
<td>Seminar in Organization Development and Change</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Two management electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Business elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Business elective with international focus</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18

Business elective: Any level-2 or above course offered in the School of Business with the prefix of either ACCT, FINA, GBUS, HRM, INTB, MKTG, or MGMT may serve as business electives; STCM 24100 Advertising and STCM 23200 Public Relations may also serve as business electives.

Subtotal: 18

Marketing Concentration
Course listing:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKTG 41100</td>
<td>Marketing Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 32300</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 38000</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 48600</td>
<td>Senior Seminar in Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Business electives: Any level-2 or above course offered in the School of Business with the prefix of ACCT, FINA, GBUS, HRM, INTB, MKTG, or MGMT may serve as business electives; STCM 24100 Advertising and STCM 23200 Public Relations may also serve as business electives.

Subtotal: 18

Legal Studies

Gwen Seaquist, Professor and Coordinator

Legal studies offers both a major and a minor. In either, students have the opportunity to become familiar with legal ideas, legal institutions, and the legal process from the perspectives of multiple disciplines. Within the context of a growing literature in this field, students learn a variety of research and methodological approaches that enable them to understand and evaluate how the law works, as well as its underlying policies. Legal studies is premised on the belief that the study of law and justice necessarily incorporates a broad range of academic disciplines, and that its pursuit will encourage sustained reflection on fundamental values, as well as critical analysis of human behavior and institutions.

The major in legal studies is not intended as a substitute or as a preparation for any part of a law school curriculum, nor does it provide a paralegal certificate. The curriculum incorporates an interdisciplinary approach that prepares students for the complex lives they will lead, which assuredly will include law as an underpinning, even if the law is not a career choice.

Students graduating in legal studies are particularly well qualified to pursue graduate work on legal topics in humanities and social science disciplines or to attend professional school in fields such as teaching, public policy, business and health administration, social work, and law. Legal studies graduates find employment in both the public and private sectors.

See LGST courses (p. 478)
### Legal Studies Major—B.A.

**Group 1: required courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LGST 32300</td>
<td>Legal Research Seminar</td>
<td>3</td>
</tr>
<tr>
<td>LGST 40200</td>
<td>Seminar in Legal Studies</td>
<td>3</td>
</tr>
<tr>
<td>LGST 49800</td>
<td>Internship: Legal Studies</td>
<td>1 to 6</td>
</tr>
<tr>
<td>POLT 12300</td>
<td>Political Justice</td>
<td>3</td>
</tr>
<tr>
<td>TVR 12300</td>
<td>Introduction to Law and the Media</td>
<td>3</td>
</tr>
<tr>
<td>CMST 11000</td>
<td>Public Communication</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>CMST 11500  Business &amp; Professional Comm</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>CMST 12400  Courtrooms &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 1xxxx</td>
<td>Introductory writing course</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 20100</td>
<td>Argument</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>CMST 21500  Argumentation &amp; Debate</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 21200</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 26500</td>
<td>Philosophical Problems in Law</td>
<td>3</td>
</tr>
<tr>
<td>GBUS 20300</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>GBUS 20400</td>
<td>Legal Environment of Business II</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>GBUS 30700  Commercial Law</td>
<td>3</td>
</tr>
<tr>
<td>GBUS 32400</td>
<td>Alternative Dispute Resolution</td>
<td>3</td>
</tr>
<tr>
<td>POLT 31000</td>
<td>Supreme Court in U.S. Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 30300</td>
<td>Constitutional Law: Civil Rights and Liberties</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 48-49

**Group 2: applied law electives**

Applied law courses teach you the “black letter” law in the particular subject area. The instructors are practicing attorneys with special expertise in this area of law, so you will learn the most recent and relevant aspects of the law.

Select 6 credits from the applied law elective list on the website for legal studies.

(http://www.ithaca.edu/business/programs/legalstudies/)

**Total, applied law electives** 6

**Group 3: social, political, ethical, and cultural electives**

These courses provide a unique perspective on the law through an examination of the various social, political, philosophical, and sociological factors that shape the evolution and application of law in our society.

Select 6 credits from the social, political, ethical, and cultural elective list on the website for legal studies.

(http://www.ithaca.edu/business/programs/legalstudies/)

**Total, social, political, ethical, and cultural electives** 6

**Group 4: general education distribution requirements**

See explanation of general education distribution requirements in the “General Education in Humanities and Sciences” section.

- **Self and society** — 3 credits in values, beliefs, behavior; 6 credits in cultures and institutions; 3 additional credits
- **Science, mathematics, and formal reasoning** — 6 credits in science, including categories A and B
- **3 credits in mathematics and formal reasoning** 9
- **Human expression** — 6 credits in language; 6 credits in visual and performing arts
- **Global and historical perspectives** 3

**Total, general education distribution requirements** 36

**Summary**

- **Required courses** 48-49
- **Applied law electives** 6
- **Social, political, ethical, and cultural electives** 6
- **General education distribution requirements** 36
- **Liberal arts electives** 11-12
- **Open electives** 12

**Total, B.A. in legal studies** 120

### Legal Studies Minor

The purpose of the minor in legal studies is to allow students to develop a greater understanding of the impact of law and legal institutions on society and public policy. Students study the sources and evolution of law, the legal process, and how law functions in a complex social, political, and economic system.

The minor consists of 18 credits. The two required foundation courses introduce legal methodology, including legal analysis, the Socratic method, and case law studies. In addition, students select two courses on specific applications of the law and two courses on the larger social and ethical dimensions of the law. The requirements of the minor should complement and supplement the majors of students with diverse career goals.

**Group 1: required courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBUS 20300</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>GBUS 20400</td>
<td>Legal Environment of Business II</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>GBUS 30700  Commercial Law</td>
<td>3</td>
</tr>
</tbody>
</table>

**Group 2: applied law electives**

- **Required courses**
  - GBUS 20300  Legal Environment of Business I 3
  - GBUS 20400  Legal Environment of Business II 3
  - GBUS 30700  Commercial Law 3

**Total, B.A. in legal studies** 120
Applied law courses teach you the “black letter” law in the particular subject area. The instructors are practicing attorneys with special expertise in this area of law, so you will learn the most recent and relevant aspects of the law.

Select 6 credits from the applied law elective list on the website for legal studies. (http://www.ithaca.edu/business/programs/legalstudies/)

Total, applied law electives 6

**Group 3: social, political, ethical, and cultural electives**

These courses provide a unique perspective on the law through an examination of the various social, political, philosophical, and sociological factors that shape the evolution and application of law in our society.

Select 6 credits from the social, political, ethical, and cultural elective list on the website for legal studies. (http://www.ithaca.edu/business/programs/legalstudies/)

Total, social, political, ethical, and cultural electives 6

**Graduate Programs**

The School of Business at Ithaca College offers two 4+1 graduate programs: the master of business administration and the master of business administration in professional accountancy. Applicants are normally admitted to the M.B.A. programs as matriculated students (degree candidates). Occasionally they are admitted provisionally or as extramural students.

**Master of Business Administration**

The M.B.A. degree is designed for students who have earned an undergraduate business degree or completed the core undergraduate business requirements. Ithaca College undergraduate students in non-business degree programs are able to complete the core undergraduate business requirements by taking the School of Business management minor. Such students can finish the M.B.A. in 10 months of full-time study.

All applicants to the M.B.A. program must have completed one of the following:

- a bachelor’s degree in business or accounting;
- a bachelor’s degree in a non-business field plus Ithaca College’s management minor or equivalent business coursework, as determined by the M.B.A. program director; or
- a bachelor’s degree in a non-business field plus successful completion of Ithaca College’s pre-M.B.A. modules.

Applicants should have

- a cumulative undergraduate grade point average of 3.00 or higher, and
- a minimum GMAT score of 500.

Extensive work experience is not required. For more information, see the Ithaca College graduate catalog. (http://www.ithaca.edu/catalogs/index.php)

**Master of Business Administration in Professional Accountancy**

To be eligible for admission into the master of business administration in professional accountancy degree, students must have

- a B.S. in accounting;
- a cumulative undergraduate grade point average of 3.00 or higher, and
- a minimum GMAT score of 500.

Such students can finish the M.B.A. in 10 months of full-time study. For more information see the Ithaca College graduate catalog. http://www.ithaca.edu/catalogs/index.php

**Certificate in International Business**

The primary objective of the certificate program in international business is to provide interested students with the opportunity to acquire the coherent, interdisciplinary body of knowledge needed to pursue careers in international areas, especially in international business. The program is aimed at matriculating students from Ithaca College, particularly those in the School of Business (from all concentrations except international business) and the School of Humanities and Sciences. Within H&S, the program might appeal to students in economics, history, modern languages, politics, psychology, sociology, or planned studies. It is also open to extramural students at Ithaca College.

**Satisfactory/D/Fail Policy**

The foreign language and international business/economics courses may not be taken on a Satisfactory/D/Fail basis. A maximum of two courses in the area studies/international relations track may be taken on an S/D/F basis.

**Coursework**

The coursework consists of 15 courses from the following areas:

1. Area studies/international relations (5 courses)

Area studies/international relations courses familiarize students with comparative politics, history, sociology, anthropology, art, and literature in the context of the world in general or particular regions and countries. These courses can focus on a specific region or subject, or diversify across disciplines and geographic locations.
(Check with the School of Business dean’s office for the most recent list of approved international liberal arts electives.)

2. Foreign language (5 courses)

Introductory, intermediate, and advanced foreign-language courses are applicable; at least one language course has to be at level 3 and focus on literature or culture (e.g., FREN 34300, The Evolution of French Civilization; or FREN 34400 Contemporary, French Culture).

Minors and Other Programs

Minors

A minor is a course of study that introduces a field and provides modest depth into its subject matter. Students should take care to satisfy all prerequisites and to note other information in the catalog pertaining to sequences of courses, class standing, and regulations of other schools.

Minors for School of Business Majors

The School of Business has designed its degree programs to provide substantial flexibility. Open and liberal arts electives allow students to pursue breadth and depth in other units of the College. Students are strongly encouraged to develop a plan of study with their academic advisers early in their college careers to accomplish academic and professional goals. Students interested in a minor should contact the department of interest to determine the application process. Accounting and business administration majors may not minor in accounting, business, finance, international business, management, or marketing; but business administration majors may elect to have more than one concentration. Legal studies majors may not minor in legal studies.

Minors for Non-Business Majors

Undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG).

The following minors are not intended for students pursuing the B.S. in accounting or business administration:

Accounting Minor

The accounting minor provides an opportunity for non-business undergraduates considering Ithaca College’s M.B.A. in professional accountancy to fulfill many of the prerequisites for that program while exploring their interest in the accounting profession. It also provides future business owners with the necessary background to manage the financial aspects of their business. This minor is not available to students pursuing a B.S. in business administration or accounting. In whatever combination of majors, minors, and certificates, undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG), including elective credits.

A. Required courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 22500</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22600</td>
<td>Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 34500</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 31500</td>
<td>Cost Analysis and Decision Making</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18

B. Accounting electives

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 49300</td>
<td>Tax Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 34600</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 40600</td>
<td>Auditing</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18

Business Minor

The business minor is a general introduction to the study of business. Students may not enroll in both the management minor and the business minor. The business minor is not available to students majoring in business administration, accounting, integrated marketing communications, sport management, or applied economics. In whatever combination of majors, minors, and certificates, undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG), including elective credits.

Select any six of the following 3-credit courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBUS 20300</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>INTB 26500</td>
<td>International Business Operations</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22500</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22600</td>
<td>Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 26000</td>
<td>Business Systems and Technology</td>
<td>3</td>
</tr>
<tr>
<td>FINA 31100</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 31200</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 34500</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 20600</td>
<td>Organizational Behavior and Management</td>
<td>3</td>
</tr>
<tr>
<td>HRM 30200</td>
<td>Applied Ethical Issues in Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18

Note: The above courses may have prerequisites; refer to course descriptions.

Subtotal: 18
Total Credit Hours: 18

Finance Minor

The finance minor surveys the importance of finance in the business world. It is not available to students pursuing a B.S. in business administration, accounting, or applied economics. In whatever combination of majors, minors, and certificates, undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG), including elective credits.

A. Required courses
ECON 12100 Principles of Macroeconomics 3
ECON 12200 Principles of Microeconomics 3
ACCT 22500 Financial Accounting 3
FINA 20300 Financial Markets and Institutions 3
FINA 31100 Business Finance 3

Select one of the following:
MATH 14400 Statistics for Business, Economics and Management 4
PSYC 20700 Statistics in Psychology 4

Select one of the following:
MATH 10700 Fundamentals of Applied Calculus 4
MATH 10800 Calculus for Decision Making 4
MATH 11200 Calculus II 4

B. Elective course
FINA xxxxx Finance elective FINA course level 2 or above 3

Subtotal: 25-26

Note: The math courses listed above may have prerequisites and may require certain math placement groups; refer to course descriptions.
Subtotal: 25-26

International Business Studies Minor

The minor in international business studies provides an overview of the field of international business. It is not available to students pursuing the B.S. degree in business administration or accounting. In whatever combination of majors, minors, and certificates, undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG), including elective credits.

A. Required course
INTB 26500 International Business Operations 3

B. Business electives
Select two courses:
Business courses with international focus (list available on the School of Business website and in the dean’s office)

C. Electives
Select two courses:
Business courses with international focus or approved international liberal arts electives (lists available on the School of Business website and in the dean’s office)

Note: International Economics, offered in London, can be substituted as an approved international liberal arts elective.

D. Language requirement
Foreign language course level 2 or above 3

Subtotal: 18

Note: The above courses may have prerequisites; refer to course descriptions.
Subtotal: 18

Marketing Minor

Students pursuing the B.S. in business administration, accounting, or integrated marketing communications are not eligible for this overview of the field of marketing. In whatever combination of majors, minors, and certificates, undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG), including elective credits.

Required courses
ECON 12200 Principles of Microeconomics 3
MKTG 31200 Principles of Marketing 3
MKTG 32300 Consumer Behavior 3
MKTG 38000 International Marketing 3
MKTG 41100 Marketing Analytics 3

Select one of the following:
MATH 14400 Statistics for Business, Economics and Management 4
PSYC 20700 Statistics in Psychology 4
Note: The above courses may have prerequisites and may require math placement scores at certain levels; refer to course descriptions.

Pre-MBA Minor

Students wishing to enter the Ithaca College 4+1 M.B.A. program or pursue M.B.A. degrees elsewhere should follow the course of study of the pre-M.B.A. minor. Students who are interested in a more flexible foundation in various functional areas of business with fewer courses (six) should look into the business minor. In whatever combination of majors, minors, and certificates, undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG), including elective credits.

**Required courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBUS 20300</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 26000</td>
<td>Business Systems and Technology</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22500</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22600</td>
<td>Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FINA 31100</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 31200</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 34500</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 20600</td>
<td>Organizational Behavior and Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 24**

Note: The above courses may have prerequisites; refer to course descriptions.

Students intending to apply to the School of Business M.B.A. program must also complete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRM 30200</td>
<td>Applied Ethical Issues in Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 24**

Other Programs for Non-Business Majors

The following professional programs offered by other schools at Ithaca College include business school courses:

1. Applied Economics
2. Applied Psychology
3. Computer Information Systems
4. Communication Management and Design
5. Health Care Management
6. Integrated Marketing Communications
7. Music in Combination with an Outside Field (p. 248)
8. Sport Management (p. 103)
9. Sport Media (p. 104)
10. Theater Arts Management (p. 190)

Note that in whatever combination of majors, minors, or certificates, undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., courses with the following prefixes: ACCT, BINT, BGRD, FINA, GBUS, HRM, INTB, MGMT, or MKTG), including elective credits.

Interested students are encouraged to seek additional information about these programs in this catalog or from the appropriate dean’s office.
ROSS H. PARK SCHOOL OF COMMUNICATIONS

Diane Gayeski, Dean
Virginia Mansfield-Richardson, Associate Dean
Bryan M. Roberts, Assistant Dean for Student Services

For full faculty listings, see “Faculty and Administration.”

Faculty and Administration (p. 331)

Introduction
The Park School offers the following degree programs:

Bachelor of Science
• Cinema and Photography
• Communication Management and Design
• Emerging Media
• Integrated Marketing Communications
• Television-Radio

Bachelor of Fine Arts
• Film, Photography, and Visual Arts

Bachelor of Arts
• Journalism
• Documentary Studies and Production

Master of Science
• Communications; for information see the Ithaca College graduate catalog. Graduate Catalog
• Communications Innovation

Each undergraduate program involves students in all aspects of communication, including the history, structure, and function of communication organizations; the technical, creative, and aesthetic elements of media production; and the evaluation, criticism, and analysis of media and communication systems.

Creative expression and experimentation are strongly encouraged, and students are invited to participate in the school’s various student-operated media opportunities, including radio stations WICB-FM and 106-VIC; television cable access channel ICTV; the professional production unit, Park Productions; the campus newspaper, the Ithacan; the College’s end-of-year publication, the Year in Review; the online magazine, iMprint; the alternative magazine of satire and opinion, Buzzsaw; and the diversity magazine, 360º. Students may also join the Park Student Advisory Council, the Public Relations Student Society of America, the Society of Professional Journalists, the National Broadcasting Society (NBS), Alpha Delta Sigma (American Advertising Federation), Communication Management and Design Student Association, Writing for Production Association, Lambda Pi Eta honor society, and other student organizations.

Mission
In the Roy H. Park School of Communications we continue to build on our tradition of blending and balancing liberal arts and professional, theoretical, and practical studies. We explore, create, and practice communication in its many forms, educating agile, adaptable thinkers, ethical professionals, and lifelong learners.

Laboratory Fees
The Park School does not charge laboratory fees. However, the convergent nature of the communications discipline requires that all students have consistent access to a basic set of multimedia tools. All entering students are required to acquire a laptop computer for use in their classroom and production work. Specifications about the required make and model and any required software will be provided to students upon admission to the Park School. Students enrolled in certain courses may also be required to supply their own equipment and/or materials, including computer data storage media. In the cinema and photography program students are expected to furnish their own light meters and cameras for all still photography courses. In addition, students must purchase materials such as photographic film and paper, motion picture film, and mounting board. Because of the large number of production courses, students in B.F.A. programs in film, photography, and visual arts incur additional costs for materials.

Academic Policies
In addition to general College guidelines for academic standing, majors in the Roy H. Park School of Communications must meet the following requirements:

• Distribution requirements: Majors must complete at least 12 credits outside of the Park School that carry the classifications of NS (natural science), SS (social science), HU (humanities), and FA (fine arts). Students must have at least 3 credits in each of these four categories. Courses taken within the Park School (for a major, a minor, or among open electives) cannot be counted toward this total. Courses taken outside the Park School that are considered supplemental requirements or restricted electives within the student’s degree program can be counted toward this total. The introductory writing courses (WRTG 10600, 10800, and 11100) do not fulfill the HU requirement. Credit
hours used to fulfill the distribution requirements can be associated with non-communication courses within a Park School major, within a required minor, for an optional minor outside of the Park School, for an additional major outside the Park School, or within their total of open elective credit hours.

- Majors in B.S. and B.A. programs must complete at least 60 credits outside of Park School communications courses (including the distribution requirements listed above) to satisfy their degree requirements (120 credits). B.F.A. majors must complete at least 48 credits outside of Park School communications courses to satisfy their degree requirements (120 credits). The regulations of the New York State Education Department require 60 credits in courses designated as liberal arts (LA) for the B.S., 90 credits for the B.A., and 30 credits for the B.F.A.

- Majors must take all communications courses, whether required or elective, and all outside courses required for the major, including supplemental requirements and distribution requirements, for a letter grade. The only exceptions are specially designated communications courses, which may be offered on a pass/fail basis, and internships, which are offered only pass/fail. Credit for courses that a student has taken pass/fail and passed before becoming a major will be accepted.

- Majors are required to take a minimum of 12 credits each semester. Part-time status requires the approval of the associate dean and is usually granted only to seniors who lack fewer than the 12 credits required for graduation and to certain students of nontraditional age who are enrolled in approved majors.

- Majors are required to make up incomplete grades in communications courses by the end of the following semester, as required by the course instructor. Incompletes will not be given in production courses.

- Students may enroll in only one major within the Roy H. Park School of Communications.

- A few courses offered in the Roy H. Park School of Communications may be taken twice with the permission of the instructor (these are specified in the course descriptions). However, even with the permission of the instructor, if there is not enough space to permit a student’s taking the class a second time, preference for registration in the course will be given to students who have not taken the course and who need it to stay on track for graduation.

- Total credit for workshop courses in the Park School may not exceed 8 credits, except for B.F.A. majors, who may not take more than 12 credits in workshop courses.

- Auditing laboratory or production courses is not permitted.

- In programs requiring concentrations, students should elect the concentration before registration for the first semester of their sophomore year. Several courses are available only to students with declared concentrations that require the course. A student may have only one concentration; the concentration most recently declared is the one in force.

- All proposed waiver-substitution forms must be submitted to the appropriate department chair before the last day of class of the semester before the student’s final semester. Requests submitted after that deadline may not be honored, which may delay the student’s graduation.

- Students enrolled in 1-credit minicourses are not permitted to add, drop or withdraw from the course within the three days before the course’s start date.

- Plagiarism — the use of work other than one’s own without proper citation or credit — is a serious offense. Penalties for plagiarism include failure on the assignment, failure in the course, and/or College academic discipline, which could mean suspension or dismissal from the College. Plagiarism can involve not only written work but also computer programs, photographs, artwork, films, videos, and sound. Students at all unsure about what constitutes plagiarism or how to give credit should see their instructor and consult the Ithaca College student handbook. For further information see also “Plagiarism” in the "Academic Affairs Information" section (p. 281) of this catalog.

Individual departments and programs in the Park School have additional requirements, especially regarding internal and cumulative grade point averages. Students should refer to the department and program requirements for complete information.

Failure to meet any of the academic regulations of the College, school, or individual department or program will result in placement on academic warning, program suspension, or dismissal from the Park School, or dismissal from Ithaca College.

**Academic Status**

To remain in good academic standing, a student must meet the minimum academic standards for his or her degree program under the catalog year in which they entered the degree program, unless a student elects to move to a different catalog year that occurs after the student entered the degree program. These standards are listed under each degree program. Students who do not earn the required minimum overall cumulative GPA (and, for majors in communication management and design, the minimum cumulative GPA in all communications courses) will be placed on academic warning or suffer program suspension, program dismissal, or dismissal from the College. In the Park School a student need not be on academic warning for
one semester before being suspended or dismissed from
the program or dismissed from Ithaca College. Students
who drop to part-time status (fewer than 12 credit hours in
a semester) without written permission from the associate
dean submitted on the appropriate form will be placed on
warning.

Dean’s List

The dean’s list in the Roy H. Park School of
Communications is made up of majors in each class who
meet all the following criteria during the semester:

• a minimum semester GPA of 3.70
• completion of a minimum of 15 credits, of which at
least 12 are graded, not pass/fail or Satisfactory/D/F
option
• no final grades of D, F, or I (incomplete)

The dean’s list status, awarded each semester, is based on a
student’s semester GPA rather than the cumulative GPA
for all semesters the student has attended Ithaca College.

Required Senior Plan

Students in the second semester of their junior year are
required to complete a senior plan to ensure that all
graduation requirements will be met by their anticipated
graduation date. Second semester juniors who do not
complete and submit senior plan by the time of registration
for fall semester classes will have a hold put on their
registration access until the plan is submitted. All senior
plans must be submitted to the associate dean.

Academic Advising

All students in the Park School are assigned an academic
adviser on entering their academic program. Students are
required to meet with their advisers before registration for
classes. Students are encouraged to meet with their
advisers if they are planning to study abroad or in Los
Angeles or Washington, D.C. Any change in a student’s
academic plan, such as adding a minor or second major,
should first be reviewed with that student’s academic
adviser. A student may change his or her adviser at any
time by filling out a form available in the dean’s office. A
student’s academic adviser must teach courses in the
student’s major department.

Park students have an academic adviser assigned to them at
dl all times, even if they are on academic warning, program
suspension, or program dismissal. (Students who have
been dismissed from their degree program in the Park
School retain their academic adviser until they are accepted
into another major at Ithaca College.) If a student’s
academic adviser is on sabbatical, a leave of absence, or a
medical leave of absence, or if he or she leaves
employment at the College, the student is assigned a new
academic adviser within his or her major. The academic
adviser assigned to the entering first-year student during
orientation is not necessarily the same adviser a student
will be assigned when starting classes in the Park School.
To verify the name of their academic adviser, students
should check their online student information on Homer
Connect. (https://homerconnect.ithaca.edu/)

Academic Opportunities

Internships

Elloe Greene, Professional Development Coordinator

All departments and programs of the Park School make
available internships in a variety of areas. Students intern
in commercial, nonprofit, and government sectors.
Internships are normally taken during a student’s junior or
senior year, but freshmen and sophomores may apply for
one internship credit. All internships are pass/fail. One
internship credit represents 60 or more hours at the
internship over the course of a semester.

Students may enroll in fall, spring, and summer session
internships. A summer session internship requires an
additional tuition payment beyond the regular academic
year. Students may have a total of 12 internship credits,
and no one internship may be taken for more than 6
credits.

Information on discretionary internships, including policy
and application, is available on the Park School website:

Park School Internships

The satellite programs at Los Angeles, New York City, and
London, U.K., have their own application processes and
are administered separately.

Independent Study/Project

An independent study/project offers the student the
opportunity to pursue historical, critical, empirical, and/or
creative research in communications under faculty
supervision. Areas of investigation are described in the
course listings for each department. One credit of
independent study/project requires 45 hours of faculty-
supervised work, which is performed by the student
outside of the classroom setting. Therefore, a 3-credit
independent study will require a minimum of 135 hours of
student work during a semester. An independent
study/project is not permitted to supplement the work in
another course; it is appropriate to serve as a substitution
for a required course that a student is unable to take due to
legitimate and verifiable circumstances, and if the student
has no other options for taking the required course and
staying on track for graduation. All independent
studies/projects must be approved by the chair of the
department in which they are offered and by the dean’s
office.

Ithaca College James B. Pendleton Center in Los
Angeles

Stephen Tropiano, Associate Professor and Director
The Park School offers an internship-centered, semester-long program in Los Angeles. The junior- and senior-year program is open to all majors and minors in the Park School. Students have the opportunity to intern at a wide variety of organizations in the fields of radio, television, cinema, photography, journalism, new media, public relations, advertising, and corporate and nonprofit communications. Los Angeles internships are for 6 credits in the fall and spring semesters only, and for 3 to 5 credits in the summer.

In addition to internships, students take required and elective courses in several communication areas. All classes are held at the James B. Pendleton Center, and students live in College-provided housing. Tuition is the same as on the home campus, and housing costs are similar to off-campus housing costs in Ithaca.

The Los Angeles program allows students to experience the cultural diversity of the Los Angeles environment and to make valuable contacts, including many with Ithaca College alumni, in the Los Angeles professional communications community.

Applications and additional information are available on the Los Angeles program website.

Los Angeles Program

London Program

The Park School participates in the London Center program through course offerings and selected internships. Students interested in studying at the London Center may obtain information from the Office of International Programs.

International Programs

Singapore Communications Exchange

Juniors and seniors majoring or minoring in the Park School may participate in the academic program offered at Nanyang Technological University in Singapore. In the exchange agreement, up to five students from the NTU School of Communications spend a semester at Ithaca College, and an equal number of Ithaca College students may attend classes, taught in English, in Singapore. For more information about the program, contact the Office of International Programs, 214 Center for Health Sciences, 607-274-3306.

Minors

Communication plays an important role for students in a number of disciplines. To serve these students, the Park School offers several minor programs:

- The media arts, sciences, and studies department offers minors in audio production, international communications, scriptwriting, and still photography.
- The strategic communication department offers minors in communication management and design and integrated marketing communications.
- A minor in journalism is offered in the journalism department.

Details of these programs, including enrollment restrictions, are given under the respective department listings.

The number of seats available for some minor programs may be limited. Students normally apply after their freshman or sophomore year. Students must apply to be accepted into a minor. Most minors in the Park School have an application deadline each semester; applications and deadlines are available at the dean’s office, 607-274-1021.

Course Duplication

A course that fulfills a requirement for a student’s major and minor programs is counted toward the major. The minor discipline determines whether the requirement is to be waived or how else it must be fulfilled. Course duplication will be considered an issue only when a required course is specified by number and title in both the major and minor.

Courses and Course Schedules

Students should consult the undergraduate course offerings (in Homer Connect) for specific information on the schedule of all courses for the semester. In addition to the courses listed in this catalog, others may be offered on an experimental basis. Descriptions of experimental courses, minicourses, selected topics courses, and other special offerings are available from the dean’s or department offices the week before registration begins each semester. (https://homerconnect.ithaca.edu/)

Transfer Policies

Transfer Credit after Matriculation at Ithaca College

Prior approval must be obtained on a petition-for-transfer-credit form, provided by the registrar, for all transfers of both elective courses and courses proposed to substitute for requirements. No more than 12 transfer credits will be accepted for any summer session.

Transfer within the Park School

Students may apply for a change of major within the Park School after they have earned one semester’s worth of grades at Ithaca College. They must follow the same deadlines and application process as internal transfer applicants who are applying from other schools within Ithaca College (see below). The internal transfer process is competitive, and students must have a minimum cumulative GPA of 2.75 and be in good academic standing in order to apply for any of the majors offered in the Park School.
School. Having the minimum cumulative GPA to apply for any major in the Park School does not guarantee admission.

Transfer from Other Schools at Ithaca College

Each year the Park School accepts a limited number of students from other schools at Ithaca College. Information and application forms are available in the dean’s office. Applications are reviewed each semester at a deadline stated on the internal transfer application, and a decision is made before registration for the next semester. One semester of final Ithaca College grades is required. Students must have a minimum cumulative GPA of 2.75 to apply for transfer to any degree program in the Park School. Having the minimum cumulative GPA to apply for transfer to a degree program in the Park School does not guarantee admission.

Admission Criteria

Students wishing to transfer internally within the Park School or from another degree program at Ithaca College into the Park School must submit evidence of successful academic work, preferably including one or more courses in the area in which they intend to major.

Transfer from Other Institutions

The Park School accepts a limited number of students from other accredited colleges and universities. For general information about transfer procedures and deadlines, see the “Transfer Students” (p. 309) in the Student Information section.

Admission Criteria

Students wishing to transfer into the Park School must submit evidence of successful academic work, preferably including one or more courses in the area in which they intend to major. Unless there is an articulation agreement in effect, for these purposes success is generally defined as a cumulative overall GPA of 2.75 after at least one semester of college grades. Because admission to the Park School is competitive, this 2.75 GPA is a minimum standard and does not guarantee admission.

Credit Evaluations

If a student is considering applying to Ithaca College, the Park School associate dean can provide an unofficial evaluation of transfer credits if the student sends copies of transcripts and course descriptions from previous coursework. Credit is granted for most college-level courses with a grade of C- or higher. Credit for internships, practicums, workshops, and independent study is generally not transferable into the Park School.

Any number of credits will be accepted, but the following requirements may mean that students will need more than 120 credits to graduate: Students must complete at least four full-time (12 credits or more) semesters at Ithaca College (including the London Center, the Washington Semester Program, or the Los Angeles program) and must complete at least 50 percent of the required communications credits in the Park School. After matriculation, transfer students must comply with the academic policies listed under “Academic Policies” and in the degree program descriptions.

Park School Academic Policies

(p. 36)

Specific information about transfer student orientation is sent automatically to all matriculating students.

Department of Media Arts, Sciences, and Studies

Bachelors of Science, Bachelor of Fine Arts

Steven Skopik, Professor and Chair

The Department of Media Arts, Sciences, and Studies administers four degree programs: the bachelor of science programs in cinema and photography, emerging media (offered jointly with the School of Humanities and Sciences), television-radio, and the bachelor of fine arts program in film, photography, and visual arts. The Department also offers minors in audio production, international communications, scriptwriting, and still photography.

See CNPH courses (p. 395) and TVR courses (p. 646)

Cinema and Photography Major -- B.S.

Elisabeth Nonas, Associate Professor and Program Director

The bachelor of science (B.S.) program in cinema and photography (120 credits) has three concentrations -- cinema production, screenwriting, and still photography. Majors typically choose their concentration before registering for the first semester of their sophomore year. The bachelor of science program allows students to choose a significant number of elective courses and/or minors from the broad range of offerings at the college.

Entering majors must have their own light meters and digital SLR cameras. In addition, students must pay for laboratory services and purchase materials such as photographic film and paper, mounting board, motion picture film, videotapes, and digital storage media.

Academic Policies

In addition to meeting general College guidelines for academic standing and the Park School academic policies, majors in cinema and photography are required to maintain an overall cumulative GPA of 2.50. All majors must
complete a minimum of 60 credits outside communications, which includes the distribution requirements, and a minimum of 60 credits in courses designated as liberal arts (LA).

**Core requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCOM 13000</td>
<td>S'Park!: Igniting your Future in Communications</td>
<td>1</td>
</tr>
<tr>
<td>CNPH 10100</td>
<td>Introduction to Film Aesthetics and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 11100</td>
<td>Cinema Production 1</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 14100</td>
<td>Introduction to Photography</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 12**

**CNPH 10100 and CNPH 14100: liberal arts courses**

**Additional requirements for the cinema production concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 20200</td>
<td>Cinema in Exhibition</td>
<td>1</td>
</tr>
<tr>
<td>CNPH 21400</td>
<td>Hollywood and American Film</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 21001-21099</td>
<td>Special Topics in Cinema Production</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 22400</td>
<td>Cinema Production 2</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 23300</td>
<td>Screenwriting</td>
<td>3</td>
</tr>
</tbody>
</table>

**CNPH 21400: liberal arts course.**

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 30000</td>
<td>Fiction Film Theory</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 30100</td>
<td>History and Theory of Documentary</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 30000 and CNPH 30100: Liberal arts courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choose two of the following (one must be CNPH 32100, CNPH 32200, CNPH 32300, or CNPH 32400):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 32100</td>
<td>Advanced Cinema Production: Fiction</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 32200</td>
<td>Advanced Cinema Production: Nonfiction</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 32300</td>
<td>Advanced Cinema Production: Experimental</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 32400</td>
<td>Advanced Cinema Production: Animation</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 33001-33099</td>
<td>Special Topics in Advanced Cinema Production</td>
<td>8</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 42000</td>
<td>Thesis Cinema Production</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 45000</td>
<td>Cinema Production Practicum</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 30**

**Additional requirements for the screenwriting concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2xx00</td>
<td>Level-2 English course</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 20500</td>
<td>Personal Essay</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 21400</td>
<td>Hollywood and American Film</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 23300</td>
<td>Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 3xxxx</td>
<td>Level-3 writing course</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 33300</td>
<td>Advanced Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>TVR 33300</td>
<td>Writing for Series Television</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 43201-43299</td>
<td>Selected Topics in Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 43300</td>
<td>Screenwriting Workshop</td>
<td>3</td>
</tr>
<tr>
<td>THPA 16000, ENGL 2xx00, WRTG 20500, CNPH 21400, and WRTG 3xx00: liberal arts courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 33300</td>
<td>Advanced Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>TVR 43100</td>
<td>Advanced Writing for Television and Radio</td>
<td>3</td>
</tr>
</tbody>
</table>

**CNPH 33300: May be repeated once. Students may opt to take TVR 43100 instead of a second semester of CNPH 33300.**

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 30000</td>
<td>Fiction Film Theory</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 30100</td>
<td>History and Theory of Documentary</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 30000 and CNPH 30100: Liberal arts courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1xx00</td>
<td>Level-1 English course</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2xx00</td>
<td>Level-2 English course</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1xx00 and ENGL 2xx00: Liberal arts course</td>
<td></td>
<td></td>
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</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 11100</td>
<td>Academic Writing II</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 15000 and WRTG 10600: Liberal arts courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 13200</td>
<td>Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>THEA 13100</td>
<td>Acting I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 46**

**THPA 13100, CMST 13200: Liberal arts courses**

**Additional requirements for the still photography concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 20310</td>
<td>The Photograph in Exhibition</td>
<td>1</td>
</tr>
<tr>
<td>CNPH 24000</td>
<td>History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 24200</td>
<td>Intermediate Photography</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 30401-30499</td>
<td>Photography Selected Topics</td>
<td>8</td>
</tr>
<tr>
<td>CNPH 40200</td>
<td>Photographers' Forum</td>
<td>1</td>
</tr>
<tr>
<td>CNPH 44000</td>
<td>Contemporary Photographic Issues</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 44300</td>
<td>Photo Workshop</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 20310, CNPH 24000, CNPH 40200 and CNPH 44000: Liberal arts courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choose two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 30401-30499: Two sections required</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choose two of the following
ARTH 13500  Introduction to Visual Culture  3
ARTH 25100  Nineteenth-Century European Art  3
ARTH 25200  Twentieth-Century European Art  3
ARTH 27500  Selected Topics in Art History  3
ARTH 28300  American Visual Culture: 1690-1960  3
ARTH 2850  Art since 1960  3
ARTH 35000  Studies in Art from Baroque to Modern  3
ARTH 37500  Selected Topics in Art History  3
ARTH 13500, ARTH 25100, ARTH 25200, ARTH 27500, ARTH 28300, ARTH 28500, ARTH 35000, ARTH 37500, and ARTH 39000: liberal arts courses
Choose two of the following:
WRTG 10600  Academic Writing I  3
WRTG 11100  Academic Writing II  3

Subtotal: 33

WRTG 10600, WRTG 11100: Liberal arts courses
Subtotal: 121

Summary
Core requirements  12
Concentration requirements: 30-46
Cinema Production (30)  30
Screenwriting (46)  46
Still Photography (33)  33
Electives  62-78

Total, B.S. in cinema and photography  120

Film, Photography, and Visual Arts -- B.F.A.

Elisabeth Nonas, Associate Professor and Program Director

The bachelor of fine arts (B.F.A.) program in film, photography, and visual arts (120 credit hours) emphasizes an interdisciplinary focus in a production-intensive communications and fine arts program. It combines the same course requirements found in the cinema production concentration of the B.S. program with significant additional required coursework in still photography and required supplemental courses in video production, studio art, and art history. The B.F.A. program is more tightly structured than the B.S. program, with fewer open electives. Planning for off-campus semesters (in London, Los Angeles, New York City, or elsewhere) must be done carefully.

Entering majors must have their own light meters and digital SLR cameras. In addition, students must pay for laboratory services and purchase materials such as photographic film and paper, mounting board, motion picture film, videotapes, and digital storage media. Because of the large number of required production courses, B.F.A. applicants should be aware that they will incur additional expenses for supplies.

Academic Policies

In addition to meeting general College guidelines for academic standing and the Park School academic policies, majors in film, photography, and visual arts are required to maintain an overall cumulative GPA of 2.50. All majors must complete a minimum of 48 credits outside communications, which includes the distribution requirements, and a minimum of 25 percent of their credits (normally 30 credits) in courses designated as liberal arts.

Core requirements

GCOM 13000  SPark!: Igniting your Future in Communications  1
CNPH 10100  Introduction to Film Aesthetics and Analysis  3
CNPH 14100  Cinema Production 1  4
CNPH 11100  Cinema Production 2  4
CNPH 24000  History of Photography  3
CNPH 24200  Intermediate Photography  4
CNPH 33000  Contemporary Photographic Issues  3
CNPH 10100, CNPH 14100, CNPH 24000 and CNPH 44000: liberal arts courses
Choose one of the following:
CNPH 21001-21099  Special Topics in Cinema Production  3
CNPH 21400  Hollywood and American Film  4
CNPH 21400: liberal arts courses
Choose one of the following:
CNPH 30000  Fiction Film Theory  3
CNPH 30100  History and Theory of Documentary  3
CNPH 30000 and CNPH 30100: liberal arts courses
Choose three of the following:
CNPH 32100  Advanced Cinema Production: Fiction  4
CNPH 32200  Advanced Cinema Production: Nonfiction  4
CNPH 32300  Advanced Cinema Production: Experimental  4
CNPH 32400  Advanced Cinema Production: Animation  4
CNPH 33001-  Special Topics in Advanced Cinema  8
### B.S. in Emerging Media

**Devan Rosen, Assistant Professor and Program Director**

The emerging media degree, a partnership of the Department of Media Arts, Sciences, and Studies in the Roy H. Park School of Communications and the Department of Computer Science in the School of Humanities and Sciences, combines coursework in new media platforms and computer programming to provide students with a unique skill set in emerging media technologies: identifying market opportunities, designing concepts, employing storytelling structures, programming and using software tools, developing sound economic models, and promoting the kinds of organizational and consumer change that make new media products successful. The mission of this program is to produce graduates who will be leaders within the evolving discipline of emerging media whether as designers and creators of media and technology or as entrepreneurs creating media products. Because new media are inherently multidisciplinary, integrating artistic creativity with computational expertise, this program takes an integrative approach to the education of our graduates — while still maintaining a strong disciplinary focus.

Students entering through the Department of Computer Science take the media computation concentration, emphasizing computer systems design and programming. Students entering through the Department of Media Arts, Sciences, and Studies take either the media design and production concentration or the media entrepreneurship concentration, emphasizing the creative design and promotion of new genres and platforms for emerging media. All students share a substantive common core, then branch out into the concentrations to develop their specialties, and finally come back together in two upper-level project courses where they will work as teams to design, develop, and pitch a new media product, such as an “app” for an iPhone, a new form of gaming or entertainment genre, or an innovative educational simulation.

### Requirements for Major in Emerging Media - B.S.

Students in the School of Humanities and Sciences enroll in the media computation concentration; students in the Roy H. Park School of Communications enroll in either the media design and production concentration or the media entrepreneurship concentration.

#### Core requirements

- **GCOM 13000** S’Park!: Igniting your Future in Communications
- **TVR 12400** Introduction to Media Industries
- **STCM 12300** Systems Thinking and Design
- **COMP 17100** Principles of Computing Science I

### Summary

- **Total requirements**: 67-68
- **Open electives**: 52-53
- **Total, B.F.A. in film, photography, and visual arts**: 120
COMP 17200  Principles of Computer Science II  4
COMP 20200  Computational Foundation of Emerging Media  4
TVR 21400  Design of New Media: Theory, Function and Analysis  4
TVR 32001-32099  Topics in Media Technology  4
COMP 38500  Emerging Media Project  4
or
TVR 38500  Emerging Media Project  4
COMP 48500  Emerging Media Capstone  4
or
TVR 48500  Emerging Media Capstone  4

Subtotal: 36

STCM 12300, COMP 17100, COMP 17200, COMP 20200, TVR 21400, TVR 32001-32099: Liberal arts courses

Media computation concentration

COMP 11500  Discrete Structures for Computer Science  4
COMP 22000  Introduction to Data Structures  4

COMP 11500, COMP 22000: Liberal arts courses

Select one of the following level-2 electives:

COMP 20500  Advanced Web Programming  4
COMP 20700  Game Development and Technologies  4
COMP 22500  HCI: User Interface Design and Development  4

Subtotal: 4

COMP 20500, COMP 20700, COMP 22500: Liberal arts courses

Select three of the following level-3 or level-4 courses:

COMP 33000  Introduction to Virtual Reality  4
COMP 35400  Intelligent Systems  4
COMP 37500  Database Systems  4
COMP 41500  Computer Graphics  4

Subtotal: 24

COMP 33000, COMP 35400, COMP 37500, COMP 41500: Liberal arts courses

Media design and production concentration

CNPH 10400  Story: From Cave Paintings to Emerging Media  3
TVR 10500  Introduction to Audio  2
TVR 11500  Introduction to Field Production  4
TVR 12200  Introduction to Media Aesthetics and Analysis  3
CNPH 10100  Introduction to Film Aesthetics and Analysis  3

CNPH 10400, TVR 12200, CNPH 10100: Liberal arts courses

Select 8-10 credits from the following (at least one course must be at level 3 or above)

COMP 20700  Game Development and Technologies  4
TVR 21500  Fiction Field Production  1
TVR 27100  Audio Production  4
CNPH 32400  Advanced Field Production: Animation  4
TVR 30900  Motion Cinema Production: Animation  4
TVR 31000  Experimental Media: Production and Criticism  4
STCM 30300  Serious Games  3
STCM 37100  Websites that Work  3
STCM 38000  E-Learning  3
TVR 40000-40099  Topics in Media Production  1 to 4

Subtotal: 21-23

COMP 20700, TVR 21500, TVR 27100, TVR 27100, CNPH 32400, TVR 30900, TVR 31000, STCM 30300, STCM 37100, STCM 38000, CNPH 43205, and TVR 40000-TVR 40099: Course has prerequisites that the student is responsible for meeting.

Media entrepreneurship concentration

TVR 26000  Quantitative Mass Media Research Methods  3
TVR 21100  New Media Business and Economics  4
TVR 22000  Global Flow of Information  3
MKTG 31200  Principles of Marketing  3
TVR 31200  Government and Media  3
TVR 31300-31399  Topics in Media Law and Policy  4
TVR 46000  Senior Seminar  3

Subtotal: 20-21

TVR 26000, TVR 21100, TVR 22000, TVR 31200, TVR 31300, TVR 46000: Liberal arts courses

MKTG 31200: Course has prerequisites that the student is responsible for meeting.

Other requirements

Media computation concentration

- Students are required to complete general education requirements as detailed by the School of Humanities and Sciences

Media production and design concentration and media entrepreneurship concentration
• Students are required to complete a minor outside the Park School (in consultation with their adviser) that complements their course of study.

• Students are required to fulfill current TV-R department general education requirements.

• Students are required to complete 60 credit hours of coursework outside the Park School.

• Students are encouraged to spend a semester off campus (e.g., study abroad or the IC Los Angeles Program).

All majors are required to complete 60 credits of liberal arts in order to complete the requirement of a B.S. degree.

All majors are required to maintain an overall 2.50 GPA to remain in the emerging media degree program. Students are required to earn a C- or better in all required courses in the emerging media curriculum in order for the course to be applied to the degree (not including general education or outside minor courses).

Total, credits in the major

Electives (including 16-29 liberal arts credits in general education and minor courses)

Total, emerging media B.S.

Subtotal: 105-108

B.S. in Television-Radio

Peter Johanns, Associate Professor and Program Director

The bachelor of science in television-radio is a four-year curriculum designed to prepare students for careers in media communications, including radio and television broadcasting and other communication-related professions. Majors in the television-radio degree must elect one of six concentrations before registration for the first semester of their sophomore year. Transfer credits must indicate a choice of concentration when applying for admission to the degree program. Concentration in a specific area is never at the expense of a broad education, and extensive study in the liberal arts is required.

Academic Policies

Television-radio majors must complete the departmental requirements and one set of concentration requirements. In addition to meeting general College guidelines for academic standing and Park School academic policies, majors in television-radio are required to maintain a cumulative GPA of 2.50. All majors must complete a minimum of 60 credits outside communications, which includes the distribution requirements, and a minimum of 50 percent of their credits (normally 60 credits) in courses designated as liberal arts. Students applying for internal transfer to the B.S. in television-radio from other majors at Ithaca College (including majors within the Park School) must have a minimum cumulative GPA of 2.75, but this minimum does not guarantee acceptance.

Television-radio majors are required to earn a grade no lower than C- in all required courses for their major with a TVR prefix to the course number.

Core requirements

Choose one of the following:

TVR 13100 Media Writing
TVR 13400 Developing Story Narratives

Developing Story Narratives: Students in the scriptwriting concentration are required to take both TVR 13100 Media Writing and TVR 13400 Developing Story Narratives.

TVR 13100 and TVR 13400: Liberal arts courses

Subtotal: 24-26

Choose one of the following:

TVR 25100 Critical Thinking and Mass Communication
TVR 26000 Quantitative Mass Media Research Methods
TVR 26200 Qualitative Mass Media Research Methods

Subtotal: 24-26

TVR 25100, TVR 26000, and TVR 26200: liberal arts courses

Choose one of the following:

TVR 31200 Government and Media
TVR 31301-31399 Topics in Media Law and Policy

TVR 31200, TVR 31301-31399: Liberal arts courses

Choose one of the following:

TVR 32200 New Telecommunications Technologies
TVR 32001-32099 Topics in Media Technology

TVR 32200, TVR 32001-32099: Liberal arts courses

Supplemental requirements

WRTG 1xxxx Introductory writing course
Business or economics course
Computer science course 3

**Subtotal: 12**

Communications studies course, introductory writing course: liberal arts courses

**Additional requirements for the media production concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 10500</td>
<td>Introduction to Audio</td>
<td>2</td>
</tr>
<tr>
<td>TVR 10700</td>
<td>Introduction to Television Studio Production</td>
<td>2</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 12200</td>
<td>Introduction to Media Aesthetics and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 10100</td>
<td>Introduction to Film Aesthetics and Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

TVR 12200 and CNPH 10100: liberal arts courses

**Complete one of the following two-course sequences:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 21500</td>
<td>Fiction Field Production I</td>
<td>4</td>
</tr>
<tr>
<td>TVR 31500</td>
<td>Fiction Field Production II</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>Television Production and Direction</td>
<td>4</td>
</tr>
<tr>
<td>TVR 30400</td>
<td>Advanced Studio Production</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 27100</td>
<td>Advanced Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>Nonfiction Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 39900</td>
<td>Documentary Workshop</td>
<td>4</td>
</tr>
</tbody>
</table>

TVR 39900: Liberal arts course

Select 4-8 credits of additional coursework from the following (4 credits must be at level-3 or above):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 21500</td>
<td>Fiction Field Production I</td>
<td>4</td>
</tr>
<tr>
<td>TVR 22500</td>
<td>Television Production and Direction</td>
<td>4</td>
</tr>
<tr>
<td>TVR 27100</td>
<td>Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 29900</td>
<td>Nonfiction Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 30400</td>
<td>Advanced Studio Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 30300</td>
<td>Program Development for Entertainment Media</td>
<td>4</td>
</tr>
<tr>
<td>TVR 30900</td>
<td>Motion Graphics and Animation</td>
<td>4</td>
</tr>
<tr>
<td>TVR 31000</td>
<td>Experimental Media: Production and Criticism</td>
<td>4</td>
</tr>
<tr>
<td>TVR 31500</td>
<td>Fiction Field Production II</td>
<td>4</td>
</tr>
<tr>
<td>TVR 37100</td>
<td>Advanced Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 39900</td>
<td>Documentary Workshop</td>
<td>4</td>
</tr>
<tr>
<td>TVR 40001-</td>
<td>Topics in Media Production</td>
<td>1-4</td>
</tr>
<tr>
<td>40999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TVR 49100</td>
<td>Senior Media Thesis</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 22-24**

**Additional requirements for the audio production concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 16000</td>
<td>Physics of Sound</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25100</td>
<td>Music and the Media</td>
<td>3</td>
</tr>
<tr>
<td>TVR 27100</td>
<td>Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 37100</td>
<td>Advanced Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 47100</td>
<td>Audio Workshop</td>
<td>4</td>
</tr>
</tbody>
</table>

PHYS 16000 and MUNM 25100: liberal arts courses

Choose two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 22500</td>
<td>Theatrical Design I: Sound</td>
<td>3</td>
</tr>
<tr>
<td>THEA 31500</td>
<td>Theatre Technology II: Sound</td>
<td>3</td>
</tr>
<tr>
<td>MUMC 14500</td>
<td>Introduction to Electroacoustic Music</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 24800</td>
<td>Digital Sound Production</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 24900</td>
<td>Techniques and Analysis of Electroacoustic Music Composition</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 25000</td>
<td>Digital Recording and Editing</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 34800</td>
<td>Advanced Microphone Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUMC 34900</td>
<td>Advanced Recording Techniques</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 22-24**

THPA 30600, THPA 30700, MUMC 14500, MUMC 24800, MUMC 24900, and MUMC 25000: liberal arts courses

**Additional requirements for the scriptwriting concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 13400</td>
<td>Developing Story Narratives</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 23300</td>
<td>Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>TVR 33300</td>
<td>Writing for Series Television</td>
<td>3</td>
</tr>
<tr>
<td>TVR 43100</td>
<td>Advanced Writing for Television and Radio</td>
<td>3</td>
</tr>
</tbody>
</table>

TVR 13400: Liberal arts course

TVR 13400: Students in the scriptwriting concentration are required to take both TVR 13100 Media Writing and TVR 13400 Developing Story Narratives.

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 12200</td>
<td>Introduction to Media Aesthetics and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 10100</td>
<td>Introduction to Film Aesthetics and Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

TVR 12200 and CNPH 10100: liberal arts courses

**Subtotal: 15**
Additional requirements for the international communications concentration

TVR 22000  Global Flow of Information  3
TVR 46200  Seminar in Geomedia  3

TVR 22000 and TVR 46200: liberal arts courses
Choose one of the following:
POLT 12900  Introduction to Global Studies  3

POLT 12900 and ANTH 12900: liberal arts courses
Choose one of the following:
TVR 32400  European Mass Media  3
or
TVR 32500  Seminar in Development Communications  3
Two additional electives outside of Park School of Communications  6

Subtotal: 18

TVR 32400 and TVR 32500: liberal arts courses
Two additional electives outside of Park School of Communications: Electives must be from the list of international course options available from the coordinator of the international communications concentration and minor.

Additional requirements for the documentary production concentration

TVR 11500  Introduction to Field Production  4
TVR 13400  Developing Story Narratives  3
TVR 29900  Nonfiction Production  4
TVR 39900  Documentary Workshop  4
TVR 49100  Senior Media Thesis  4

TVR 13400 and TVR 39900: liberal arts courses

TVR 13400: Students in the documentary production concentration are required to take both TVR 13100 Media Writing and TVR 13400 Developing Story Narratives.
Choose one of the following:
TVR 12200  Introduction to Media Aesthetics and Analysis  3
CNPH 10100  Introduction to Film Aesthetics and Analysis  3

Subtotal: 22

TVR 12200 and CNPH 10100: liberal arts courses

Additional requirements for the directed studies concentration

Selected communications courses  12

Subtotal: 12

A plan of study that differs from other concentrations by at least two courses, together with a rationale, must be developed by the student in consultation with his or her adviser and approved by the chair of the television and radio department.

Subtotal: 144-152

Summary

Core requirements  24-26
Supplemental requirements  12
Concentration requirements  12-23
Electives  59-72

Total, B.S. in television-radio  120

Minors

The minor programs of the Media Arts, Sciences, and Studies Department offer students an opportunity to extend and enhance their college experience. Some enrollment restrictions apply; see the individual descriptions.

Information concerning admission criteria and program requirements is available in the dean’s office and the department office. Students applying to any minor offered by the Media Arts, Sciences, and Studies Department must have a minimum cumulative GPA of 2.75, but this minimum does not guarantee acceptance.

Course Duplication

A course that fulfills a requirement for a student’s major and minor programs is counted toward the major. The minor discipline determines whether the requirement is to be waived or how else it must be fulfilled. Course duplication will only be considered an issue when a required course is specified by number and title in both the major and minor.

Special Academic Policy for Media Arts, Sciences, and Studies Minor Programs

Minors are required to maintain an overall cumulative GPA of 2.50. As stated above, students must have a minimum cumulative GPA of 2.75 in order to apply to any minor in the media arts, sciences, and studies department, but this minimum does not guarantee acceptance.

Audio Production Minor

Megan Roberts, Associate Professor and Program Director

This minor provides broad-based knowledge of the theory and practice of audio production. Students learn the scientific and aesthetic aspects of sound, as well as a broad range of audio production techniques applicable to music, theater, and electronic media. Courses are drawn from the Park School, the School of Music, and the physics and theater arts departments in the School of Humanities and Sciences. Students must have a minimum cumulative GPA
of 2.75 in order to apply to the minor, but that does not guarantee acceptance.

This minor is not open to television-radio majors with an audio production concentration; it is open to all other television-radio majors.

**Required courses for the minor**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 10500</td>
<td>Introduction to Audio</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 16000</td>
<td>Physics of Sound</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25100</td>
<td>Music and the Media</td>
<td>3</td>
</tr>
<tr>
<td>TVR 27100</td>
<td>Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 37100</td>
<td>Advanced Audio Production</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose a minimum of 6 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 22500</td>
<td>Theatrical Design I: Sound</td>
<td>3</td>
</tr>
<tr>
<td>THEA 31500</td>
<td>Theatre Technology II: Sound</td>
<td>3</td>
</tr>
<tr>
<td>MUMC 14500</td>
<td>Introduction to Electroacoustic Music</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 24800</td>
<td>Digital Sound Production</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 24900</td>
<td>Techniques and Analysis of Music Composition</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 25000</td>
<td>Digital Recording and Editing</td>
<td>2</td>
</tr>
<tr>
<td>TVR 47100</td>
<td>Audio Workshop</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 22-23

**International Communications**

**Katalin Lustyik, Assistant Professor and Program Director**

The minor in international communications gives students from a variety of disciplines a broad knowledge of international communication theory and practice. It also provides knowledge of the global flow of information. Students have opportunities to relate theories and practices of international communication to their own disciplines.

This minor is not open to television-radio majors who have a declared concentration in international communications; it is open to all other television-radio majors. Television-radio majors with a minor in international communications will have the course TVR 12400 Introduction to Media Industries waived as a requirement for the minor, since that course is required for the major. Students must have a minimum cumulative GPA of 2.75 in order to apply for this minor, but this minimum does not guarantee acceptance.

**Required courses for the minor**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 12100</td>
<td>Introduction to Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>TVR 12400</td>
<td>Introduction to Media Industries</td>
<td>4</td>
</tr>
<tr>
<td>POLT 12900</td>
<td>Introduction to Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>TVR 22000</td>
<td>Global Flow of Information</td>
<td>3</td>
</tr>
<tr>
<td>TVR 32400</td>
<td>European Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>TVR 32500</td>
<td>Seminar in Development</td>
<td>3</td>
</tr>
<tr>
<td>TVR 46200</td>
<td>Seminar in Geomedia</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18-19

One additional elective from outside the Roy H. Park School of Communications: Requires approval from the coordinator of the minor.

Subtotal: 18-19

**Scriptwriting Minor**

**Julie Blumberg, Assistant Professor and Program Director**

The minor in scriptwriting is offered in cooperation with the theater arts department and the writing department in the School of Humanities and Sciences. The minor develops skills and knowledge of this specialized discipline in both its dramatic and nondramatic aspects. Students must have a minimum cumulative GPA of 2.75 in order to apply to the minor, but this minimum does not guarantee acceptance. This minor is not open to television-radio majors who have a declared concentration in scriptwriting; it is open to all other television-radio majors.

**Required courses for the minor**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 13400</td>
<td>Developing Story Narratives</td>
<td>3</td>
</tr>
<tr>
<td>TVR 33300</td>
<td>Writing for Series Television</td>
<td>3</td>
</tr>
<tr>
<td>THEA 10000</td>
<td>Introduction to the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 23300</td>
<td>Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 33300</td>
<td>Advanced Screenwriting</td>
<td>3</td>
</tr>
</tbody>
</table>

Writing department elective (level 2 or above)

Choose one course from the following (2-4 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 10100</td>
<td>Introduction to Media Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 10500</td>
<td>Introduction to Audio</td>
<td>2</td>
</tr>
<tr>
<td>TVR 10700</td>
<td>Introduction to Television Studio Production</td>
<td>2</td>
</tr>
<tr>
<td>TVR 11500</td>
<td>Introduction to Field Production</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 20-22

**Additional requirements for the minor**

The writing department elective must be approved by the minor adviser.
Still Photography Minor

Nicholas Muellner, Associate Professor and Program Director

A minor in still photography provides opportunities to develop a systematic knowledge of the discipline. Minors must be declared through consultation with still photography faculty and approved by the program director of the B.S. in cinema and photography, and the B.F.A. in film, photography, and visual arts. Applicants to the minor must have at least a 2.75 cumulative GPA, but this minimum does not guarantee acceptance into the minor.

Not open to majors in cinema and photography or in film, photography, and visual arts.

Required courses for the minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 14100</td>
<td>Introduction to Photography</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 24000</td>
<td>History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 24200</td>
<td>Intermediate Photography</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 44300</td>
<td>Photo Workshop</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>Photography Selected Topics</td>
<td>8</td>
</tr>
</tbody>
</table>

Photography elective

Subtotal: 19

Note: Transfer courses are not accepted to meet requirements of the minor.

Photography elective: any offering from CNPH 30400-99 that is a different topic

Subtotal: 19

Department of Journalism

Bachelor of Arts

Wenmouth Williams, Jr., Professor and Interim Chair

The Department of Journalism offers an integrated curriculum designed to prepare students for careers in journalism, law, and other professions. Multimedia and critical, analytical thinking are key components of the curriculum. Journalism students are taught online, video and print journalism, as well as First Amendment law, ethics and history in the liberal arts tradition.

Academic Policies

Majors, including freshmen, are required to maintain an overall cumulative GPA of 2.50. All majors must complete a minimum of 60 credits outside communications, which includes the language requirement, and a minimum of 75 percent of their credits (normally 90 credits) in courses designated as liberal arts (LA). Transfer students applying to the B.A. in journalism program must have a cumulative GPA of 2.75 or higher to have their application considered; however, this minimum does not guarantee acceptance to the degree program. This policy applies to all applicants to the degree program, including students transferring from another major in the Park School or at Ithaca College and those applying from other academic institutions.

See JOUR courses (p. 474)

Journalism Major — B.A.

Major requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCOM 13000</td>
<td>S'Park!: Igniting your Future in Communications</td>
<td>1</td>
</tr>
<tr>
<td>JOUR 11100</td>
<td>Introduction to Journalism</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 11200</td>
<td>Journalism Research</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 21100</td>
<td>Visual Journalism</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 21300</td>
<td>Journalism Ethics</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 25000</td>
<td>Journalism History</td>
<td>3</td>
</tr>
<tr>
<td>TVR 31200</td>
<td>Government and Media</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 38300</td>
<td>News Editing</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 39001-39099</td>
<td>Special Topics in Journalism</td>
<td>6</td>
</tr>
<tr>
<td>JOUR 48800</td>
<td>Issues and the News</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 48000</td>
<td>Multimedia Journalism</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 48400</td>
<td>Mass Media Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 42

JOUR 39001-39099: select 2 courses of 3 credits each

Workshop requirement

Choose one course from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 48200</td>
<td>Narrative Journalism Workshop</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 48600</td>
<td>Documentary Journalism Workshop</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 4

Writing requirement

One course of the following or demonstrated equivalent proficiency is required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 11100</td>
<td>Academic Writing II</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

Minor requirement

Journalism majors are required to choose a minor outside the Roy H. Park School of Communications. Journalism majors may not have a business minor without undertaking additional liberal arts courses. Total credits in the minor must be 18 to 25 and may not include communications courses, except for the communications courses in the culture and communication minor.

Second language requirement
Journalism majors are required to learn a non-native language through the 202 course level or demonstrate equivalent proficiency. This may require up to four courses, depending on the level of proficiency demonstrated. American Sign Language may not be used to fulfill this requirement.

### Summary
- Major requirements: 42
- Workshop requirement: 4
- Writing requirement: 3
- Minor requirement: 18-25
- Second language requirement: 0-12
- Electives: 31-50
- Total, B.A. in journalism: 120

### Journalism Minor
**Mead Loop, Associate Professor and Program Director**

The minor in journalism offers students the opportunity to expand and enhance their college experience. It is designed to give students from a variety of disciplines a broad-based yet rigorous knowledge of journalistic theory and practice. Students work on news and public affairs coverage of issues relevant to their own major areas through a variety of lecture, seminar, and laboratory courses. The concept of media convergence is a key component of the minor curriculum. Students in the journalism minor are taught print, broadcast, and digital journalism in many of their classes so that they develop expertise that can be applied to the rapidly changing world of journalism.

The minor is not open to journalism majors. Information concerning application deadlines, admission criteria, and program requirements is available in the journalism department office. Enrollment in the minor is limited. Students must have a cumulative GPA above 2.75 in order to apply to the journalism minor, but this minimum does not guarantee acceptance.

**Required courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 11100</td>
<td>Introduction to Journalism</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 11200</td>
<td>Journalism Research</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 21100</td>
<td>Visual Journalism</td>
<td>4</td>
</tr>
<tr>
<td>JOUR 48800</td>
<td>Issues and the News</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 21300, JOUR 25000, and TVR 31200</td>
<td>liberal arts courses</td>
<td>Subtotal: 22</td>
</tr>
</tbody>
</table>

### Additional requirements
Minors are required to maintain a cumulative GPA of at least 2.50 in all required courses, as well as an overall cumulative GPA of 2.50.

### Department of Strategic Communication

#### Bachelor of Science

**Scott Hamula, Associate Professor and Chair**

The Department of Strategic Communication offers two degree programs — a bachelor of science in communication management and design and a bachelor of science in integrated marketing communications — and minors in communication management and design and integrated marketing communications. Students interested in the major or minor in communication management and design should contact Dennis Charsky, director of the program. Students interested in the major or minor in integrated marketing communications should contact Scott Hamula, director of the program and chair of the Department of Strategic Communication.

See STCM courses (p. 628)

#### Communication Management and Design Major—B.S.

**Dennis Charsky, Associate Professor and Program Director**

Communication management and design is a unique interdisciplinary program providing a comprehensive education in the theory and practice of both human and media-based communication by all types of organizations. Majors learn to create and manage interpersonal and mediated communication in such areas as meeting and event planning, workplace collaboration, internal corporate communication, government and stakeholder relations, fund-raising, training and workforce development, and promotional campaigns. Students learn skills such as presentation-media design, research and evaluation, website development, project management, team building, and appraisal of new media. In addition, they learn to assess critically and take leadership roles in such initiatives as globalization, performance improvement consulting, the virtual workplace, e-learning, simulations, and gaming.

There is ample opportunity to apply what is learned to real-world situations. Class projects and internships put students in the role of consultant to businesses and nonprofit organizations, where one might conduct a communication audit, produce a promotional video, devise
a crisis communication plan, or develop a newsletter or annual report.

All majors take a common core of courses in which they develop essential design, production, management, and presentation skills. Beyond that, the student selects one of two concentrations within the major by the conclusion of the sophomore year: corporate communication or instructional technology. Concentrations help students focus their studies on particular interests or careers. Our graduates are employed in a wide range of positions, including event coordinator, corporate communication specialist, web developer, learning consultant, community relations associate, and museum educator.

Corporate Communication Concentration

The corporate communication concentration focuses on communication in organizations, providing the theoretical and practical context for examining how informal and formal communication occurs in organizations, including leadership styles, the impacts of technology and diversity, and the creation and change of corporate culture. Students gain a set of skills and concepts that can be applied in areas such as conflict management, workforce diversity initiatives, meeting planning and facilitation, employee communication, speechwriting, and crisis communication.

Instructional Technology Concentration

The instructional technology concentration addresses the application of theories in communication, systems, educational psychology, and management to such areas as designing and managing corporate training and development programs, developing computer-assisted learning software, creating job aids and incentive programs, designing and producing technical manuals, designing courses and educational materials, and analyzing and solving workplace performance problems. Students gain a set of skills that can be applied in areas such as instructional design, training, performance technology, technical communication, and management and evaluation of learning and performance systems.

Capstone

At the conclusion of the curriculum, students take a set of courses that synthesizes the concentrations and addresses ethical, managerial, research and evaluation, and critical issues in organizational communication. These courses serve as a transition between the curriculum and professional practice. The designated capstone course in the program is STCM 43400 Management of Strategic Communication.

Academic Policies

In addition to the general College guidelines for academic standing and the Park School academic policies, communication management and design majors are required to maintain a cumulative GPA of 2.50 in all communications school courses, as well as an overall cumulative GPA of 2.50. Courses at level 1 are open to seniors only by permission of the instructor. One-credit minicourses do not count as required communication management and design electives. All majors must complete a minimum of 60 credits outside communications, which includes the distribution requirements, and a minimum of 60 credits in courses designated as liberal arts (LA).

Departmental requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCOM 13000</td>
<td>S'Park!: Igniting your Future in Communications</td>
<td>1</td>
</tr>
<tr>
<td>STCM 10300</td>
<td>Introduction to Strategic Communication</td>
<td>3</td>
</tr>
<tr>
<td>STCM 10800</td>
<td>Communication in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>STCM 11100</td>
<td>Presentation Media and Visual Design</td>
<td>3</td>
</tr>
<tr>
<td>STCM 12300</td>
<td>Systems Thinking and Design</td>
<td>3</td>
</tr>
<tr>
<td>STCM 20200</td>
<td>Professional Development II</td>
<td>1</td>
</tr>
<tr>
<td>STCM 21000</td>
<td>Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>STCM 21100</td>
<td>Corporate Communication: Strategy and Design</td>
<td>3</td>
</tr>
<tr>
<td>STCM 30200</td>
<td>Professional Development III</td>
<td>1</td>
</tr>
<tr>
<td>STCM 34000</td>
<td>Research and Evaluation in Strategic Communication</td>
<td>3</td>
</tr>
<tr>
<td>STCM 43400</td>
<td>Management of Strategic Communication</td>
<td>3</td>
</tr>
<tr>
<td>STCM 45000</td>
<td>Critical Issues in Organizations: Theory, Application, and Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 30**

STCM 10300, STCM 10800, STCM 12300, STCM 34000, and STCM 45000: liberal arts courses

Supplemental requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 11100</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22500</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 21100</td>
<td>Writing for the Workplace</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 12**

WRTG 10600 and WRTG 21100: liberal arts courses

**Subtotal: 42**

Additional requirements for the corporate communication concentration

Communication management and design majors can declare only one concentration. A concentration must be declared by the end of the sophomore year. Students in a concentration must take at least 9 credits at level-3 or above in their concentrations beyond the departmental and supplemental requirements. These may include one supplemental course in the concentration.

A maximum of 3 credits of STCM 41200 Workshop in Strategic Communication, STCM 49000 Internship, STCM
49800 London Internship, and/or STCM 49900
Independent Study may be applied in total.

Choose three of the following 3-credit courses:

- STCM 23000 Meeting and Event Management 3
- STCM 23200 Public Relations 3
- STCM 30000 Crisis Communication 3
- STCM 31000 Organizational Speech Writing and Interviewing 3
- STCM 31100 Government and Stakeholder Relations 3
- STCM 33300 Applied Corporate Event Management 3
- STCM 44000 Public Relations Lab 3

STCM 23200 and STCM 23200: liberal arts courses

Choose one of the following 3-credit courses:

- STCM 22000 Interactive Media 3
- STCM 23400 Promotional and Instructional Video 3
- STCM 24000 Organizational Writing and Publishing 3
- STCM 37100 Websites that Work 3
- STCM 39010 Selected Topics in Strategic Communication 3
- STCM 41200 Workshop in Strategic Communication 1 to 6
- STCM 49000 Internship 1 to 6
- STCM 49800 London Communications Internship 3 to 6

WRTG 20100, PHIL 21200, and SOCI 21200: liberal arts courses

Choose one of the following 3-credit courses:

- STCM 20400 Virtual Teams 3
- STCM 25100 Organizational Culture and Conflict 3
- STCM 32000 Leadership Communication 3
- STCM 36500 Communication in International Organizations 3
- STCM 39000 Selected Topics in Strategic Communication 3
- STCM 49900 Independent Study 1 to 6

STCM 49000 and STCM 49800: liberal arts courses

Choose one of the following 3-credit courses:

- WRTG 20100 Argument 3
- GBUS 20300 Legal Environment of Business I 3
- PHIL 21200 Introduction to Ethics 3
- SOCI 21200 Changing Contours of Work 3
- MKTG 31200 Principles of Marketing 3
- WRTG 31700 Proposal and Grant Writing 3

Subtotal: 18

Additional requirements for the instructional technology concentration

Choose three of the following 3-credit courses:

- STCM 22000 Interactive Media 3
- STCM 23000 Meeting and Event Management 3
- STCM 38000 E-Learning 3
- STCM 41200 Workshop in Strategic Communication 1 to 6
- STCM 44500 Performance Improvement 3
- STCM 44500: liberal arts course

Choose one of the following 3-credit courses:

- STCM 23400 Promotional and Instructional Video 3
- STCM 24000 Organizational Writing and Publishing 3
- STCM 37100 Websites that Work 3
- STCM 39010 Selected Topics in Strategic Communication 3
- STCM 41200 Workshop in Strategic Communication 1 to 6
- STCM 49000 Internship 1 to 6
- STCM 49800 London Communications Internship 3 to 6

STCM 49000 and STCM 49800: liberal arts courses

Choose one of the following 3-credit courses:

- STCM 20400 Virtual Teams 3
- STCM 25100 Organizational Culture and Conflict 3
- STCM 32000 Leadership Communication 3
- STCM 36500 Communication in International Organizations 3
- STCM 39000 Selected Topics in Strategic Communication 3
- STCM 49900 Independent Study 1 to 6

STCM 49000, STCM 49800, and STCM 49900: liberal arts courses

Choose one of the following 3-credit courses:

- COMP 10500 Introduction to Website Development 3
- MGMT 20600 Organizational Behavior and Management 3
- PSYC 21010 Educational Psychology 3
- WRTG 21300 Technical Writing 3
- WRTG 31700 Proposal and Grant Writing 3
- PSYC 33400 Industrial and Organizational Psychology 3

Subtotal: 18
Students with a double major in integrated marketing communications and business who are interested in applying to the master of business administration program should contact the dean’s office in the School of Business for information on a curriculum bridge of five business courses that can be taken during the summer following graduation, before entrance into the M.B.A. program in the fall.

All majors must complete a minimum of 60 credits outside communications, which includes the distribution requirements, and a minimum of 50 percent of their credits (normally 60 credits) in courses designated as liberal arts.

Integrated Marketing Communications

Major — B.S.

Scott Hamula, Associate Professor, Program Director and Department Chair

The integrated marketing communications program is built on the merging of specific coursework from the Roy H. Park School of Communications strategic communication department and the School of Business. This degree teaches students about the newly converged fields of advertising, public relations, brand activation, and marketing. Students learn how these specialized areas are combined into seamless communications programs that promote and build brands, business, not-for-profit organizations, and governmental agencies.

Academic Policies

In addition to meeting general College guidelines for academic standing and Park School academic policies, majors in integrated marketing communications are required to maintain an overall cumulative GPA of 2.50.

Students wishing to pursue a major in integrated marketing communications should plan carefully and limit themselves to the business courses required within the major in order to adhere to the policy that undergraduate students who are neither accounting nor business administration majors may not register for more than 29 credit hours of business coursework (i.e., ACCT, INTB, MGMT, FINA, MKTG, HRM, PROD, GBUS, BINT, BGRD). Students with junior or senior ranking who are accepted into the integrated marketing communications degree program may not be able to meet all degree requirements without studying for an extra semester or two.

Advising Note

Subtotal: 37-38

STCM 42000: liberal arts course

Business course requirements

GBUS 20300 Legal Environment of Business I 3
ACCT 22400 Reporting and Decision Making in Integrated Marketing Communication 3
MKTG 31200 Principles of Marketing 3
MKTG 32300  Consumer Behavior  3
MKTG 32500  Sales and Sales Promotion  3
MKTG 38000  International Marketing  3
MKTG 49100  Marketing on the Internet  3
Choose one of the following:
MKTG 41100  Marketing Analytics  3
MKTG 48600  Senior Seminar in Marketing  3
MKTG 49700  Selected Topics: Marketing  1 to 3

Subtotal: 24

MKTG 49700: must take for 3 credits

Other course requirements
WRTG 10600  Academic Writing I  3
or WRTG 11100  Academic Writing II  3
ECON 12200  Principles of Microeconomics  3

Subtotal: 6

WRTG 10600, WRTG 11100, and WRTG 11100: liberal arts courses
Subtotal: 67-68

Summary
Communications course requirements: 37-38
Business course requirements: 24
Other course requirements: 6
Electives: 52-53

Total, B.S. in integrated marketing communications: 120

Minors

The minor programs of the television-radio department offer students an opportunity to extend and enhance their college experience. Some enrollment restrictions apply; see the individual descriptions.

Information concerning admission criteria and program requirements is available in the dean’s office and the department office. Students applying to any minor offered by the television-radio department must have a minimum cumulative GPA of 2.75, but this minimum does not guarantee acceptance.

Course Duplication

A course that fulfills a requirement for a student’s major and minor programs is counted toward the major. The minor discipline determines whether the requirement is to be waived or how else it must be fulfilled. Course duplication will only be considered an issue when a required course is specified by number and title in both the major and minor.

Special Academic Policy for Television-Radio Minor Programs

Minors are required to maintain an overall cumulative GPA of 2.50. As stated above, students must have a minimum cumulative GPA of 2.75 in order to apply to any minor in the television-radio department, but this minimum does not guarantee acceptance.

Communication Management and Design Minor

Dennis Charsky, Associate Professor and Program Director

A minor in communication management and design is a systematic introduction to human and mediated communication in organizations. Students develop knowledge of basic principles and practices of corporate communication, instructional technology, and media design and production, and apply this knowledge to specific organizational settings. Information concerning application deadlines and admission criteria is available in the department office. Students must have a minimum cumulative GPA of 2.50 in order to apply to the minor, but this minimum does not guarantee acceptance.

This minor is not open to communication management and design majors.

Required courses for the minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STCM 10300</td>
<td>Introduction to Strategic Communication</td>
<td>3</td>
</tr>
<tr>
<td>STCM 21000</td>
<td>Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>STCM 21100</td>
<td>Corporate Communication: Strategy and Design</td>
<td>3</td>
</tr>
<tr>
<td>STCM xxxxx</td>
<td>Any level-3 or above course in communication management and design excluding internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18

Total Credit Hours: 18

Integrated Marketing Communications Minor

Scott Hamula, Associate Professor and Program Director
The minor in integrated marketing communications, offered in cooperation with the School of Business, provides broad-based knowledge of the theories and applications of the newly converged realms of advertising, public relations, sales promotion, and marketing. The minor provides knowledge and application of the persuasive processes used in integrated marketing communications in print, broadcast, web-based, and other media.

This minor is not open to integrated marketing communications and sport media majors. Applications for the minor are accepted once per semester; contact the dean’s office or department office for deadlines. Space is limited and acceptance is competitive. Students must have a 2.75 minimum cumulative GPA to apply, but this minimum is not a guarantee of acceptance.

Required courses for the minor
STCM 10300 Introduction to Strategic Communication 3
STCM 23200 Public Relations 3
STCM 24100 Advertising 3
MKTG 31200 Principles of Marketing 3
STCM 33000 Advertising Copywriting and Art Direction 3
STCM 33200 Writing for Public Relations 3
STCM 42000 Integrated Marketing Communications Lab 3

Subtotal: 18

Additional requirements for the minor
All prerequisite courses must be completed with a grade of B or better to qualify the student for placement in advanced courses.

Interdisciplinary Programs

Documentary Studies and Production Major -- B.A.

Mead Loop, Associate Professor and Program Director

The Roy H. Park School of Communications offers an interdisciplinary B.A. in documentary studies and production, which is a four-year curriculum designed to prepare students to become documentary filmmakers as well as to understand the growing and complex world of documentaries, drawing on existing courses in the television-radio, cinema and photography, and journalism programs. This is a broad, liberal arts-based curriculum. Requirements are divided into two areas: studies courses and production courses. Open electives enable students to tailor their own programs.

Academic Policies

 Majors, including freshmen, are required to maintain an overall cumulative GPA of 2.50. All majors must complete a minimum of 60 credits outside communications, which includes the minor requirement, and a minimum of 75 percent of their credits (normally 90 credits) in courses designated as liberal arts. Transfer students applying to the B.A. in documentary studies and production must have a minimum cumulative GPA of 2.75 or higher to have their application considered; however, this minimum does not guarantee acceptance to the degree program. This policy applies to all applicants to the degree program, including students transferring from another major in the Park School or at Ithaca College and those applying from other academic institutions.

Communications course requirements
GCOM 13000 S’Park!: Igniting your Future in Communications 1
JOUR 11100 Introduction to Journalism 4
JOUR 11200 Journalism Research 4
CNPH 14100 Introduction to Photography 4
TVR 29900 Nonfiction Production 4
CNPH 30100 History and Theory of Documentary 3
TVR 31200 Government and Media 3
TVR 39900 Documentary Workshop 4
JOUR 11100, JOUR 11200, CNPH 14100, TVR 29900, CNPH 30100, TVR 31200, and TVR 39900: liberal arts courses
Choose one of the following:
CNPH 10100 Introduction to Film Aesthetics and Analysis 3
TVR 12200 Introduction to Media Aesthetics and Analysis 3

CNPH 10100 and TVR 12200: liberal arts courses
Choose one of the following:
CNPH 11100 Cinema Production 1 4
TVR 11500 Introduction to Field Production 4
Choose two of the following:
JOUR 21300 Journalism Ethics 3
CNPH 24000 History of Photography 3
TVR 25100 Critical Thinking and Mass Communication 3

JOUR 21300, CNPH 24000, and TVR 25100: liberal arts courses
Choose one of the following:
CNPH 32200 Advanced Cinema Production: Nonfiction 4
CNPH 30400-30499 Selected Topics in Photography 4
Choose one of the following:
Minor requirement

Documentary studies and production majors are required to choose a minor outside the Roy H. Park School of Communications. Documentary studies and production majors may not have a minor in business, accounting, finance, marketing, or management without undertaking additional liberal arts courses. Total credits in the minor must be 18 to 25 and may not include courses offered within the Roy H. Park School of Communications, except for the Park School courses required for the minor in culture and communication.

Summary

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major requirements</td>
<td>48</td>
</tr>
<tr>
<td>Minor requirement</td>
<td>18-25</td>
</tr>
<tr>
<td>Electives</td>
<td>37-47</td>
</tr>
<tr>
<td>Total, B.A. in documentary studies and production</td>
<td>120</td>
</tr>
</tbody>
</table>
Linda S. Petrosino, Dean  
Patricia E. Green, Associate Dean  
John A. Sigg, Associate Dean  

For full faculty listing, see “Faculty and Administration.”

Our Mission

We are a community of learners who prepare health care, health, sport, and leisure professionals for lifelong practice and scholarship.

We meet this mission by:

• fostering interdisciplinary collaboration within and between academic and professional settings
• using experiential learning as a means to integrate theory and scholarship with professional practice
• using scholarship, in all of its forms, to advance knowledge and practice

Our Students

Students who choose the School of Health Sciences and Human Performance follow a path of enriching experiences, with real rewards. Opportunities include rehabilitating people in clinical settings; coaching athletes; designing fitness programs for individuals or within corporate settings; working within a sport organization, government health agency, or community setting; managing hospitals and nursing homes; teaching health and physical education; leading outdoor adventure pursuits; and working as a recreation manager in the hotel or leisure industry.

Hallmarks for Student Success

Wide Choice of Programs

HSHP currently enrolls more than 1,200 full-time students in more than 18 different undergraduate degree programs and 8 graduate programs (7 M.S. degrees/concentrations and a clinical doctorate in physical therapy). In addition, students can choose from a variety of concentrations (e.g., nutrition) and emphases (e.g., medical sciences) within some of the undergraduate majors. The wide breadth of programs ensures that students can find a major in HSHP that will meet their life goals. Upon graduation, students interested in developing further depth in an area can advance to graduate studies in many departments.

The HSHP Preprofessional Program is available for freshmen and sophomores who are undecided about a particular major but interested in related fields. Students receive intensive guidance and academic advisement concerning program choices before declaring a major.

Faculty as Advisers, Mentors, and Research Partners

The strength of an HSHP degree emerges from a dedicated faculty who believe in and practice their areas of expertise and engage in scholarship and research with their students while fully supporting the integration of the liberal arts and sciences into their professional programs through the HSHP general education program.

National Academic Reputation

HSHP students consistently perform above national averages in all programs that require licensure or certification exams. We strive to produce highly prepared entry-level professionals.

Alpha Eta National Honor Society

In March 2009, the Departments of Exercise and Sport Sciences, Occupational Therapy, Physical Therapy, and Speech-Language Pathology and Audiology from the School of Health Sciences and Human Performance at Ithaca College applied for and received a charter for a chapter of the Alpha Eta Society (AES). Founded in 1975 at the University of Florida, this national scholastic honor society for the allied health professions was formed to promote and recognize significant scholarship in, leadership in, and contributions to the field. Active membership in the Ithaca chapter of the society consists of candidates for a baccalaureate or a graduate degree in an allied health program, candidates for postdegree certificates in allied health programs, faculty in allied health programs, and alumni of such programs. (http://www.alphaeta.net/)

Hands-on Learning

Students in HSHP have myriad opportunities to apply the knowledge and skills developed in the classroom. The importance of experiential learning is demonstrated by our affiliation with approximately 2,000 sites and organizations, located throughout the United States and abroad, where our students complete fieldwork and internships. In addition, the school houses a faculty/staff wellness clinic, an occupational/physical therapy clinic, the Sir Alexander Ewing Speech and Hearing Clinic, athletic training facilities, and the Center for Life Skills (a center emphasizing a team approach to health care). Each year more than 700 HSHP students complete field experiences as part of their academic program. Annual faculty-led study abroad gives students an opportunity for a global experience.

Employment in One’s Chosen Field
Over 90 percent of HSHP graduates find employment in their field or a related field or are accepted into graduate schools of their choice within one year of graduation. In the past two years the rate was over 95 percent.

**Academic Programs and Options**

**Majors**
- Athletic Training, B.S.
- Clinical Exercise Science, B.S.
- Clinical Health Studies, B.S.
- Clinical Health Studies/Physical Therapy, B.S./D.P.T., six-year program
- Exercise Science, B.S.
- Exercise and Sport Sciences, M.S.
- Health Care Management, B.S.
- Health Sciences, B.S.
- Occupational Science, B.S.
- Occupational Science/Occupational Therapy, B.S./M.S., five-year program
- Occupational Therapy, M.S.
- Outdoor Adventure Leadership, B.S.
- Public and Community Health, B.S.
- Recreation Management, B.S.
- Speech-Language Pathology, B.S.
- Speech-Language Pathology, M.S.
- Sport Management, B.S.
- Sport Management, M.S.
- Sport Media, B.S.
- Sport Studies, B.A.
- Therapeutic Recreation, B.S.

**Teacher Education Programs**
- Health Education, B.S. (teaching)
- Health Education and Physical Education, B.S. (teaching)
- Physical Education, B.S. (teaching)
- Health Education, M.S. (teaching)
- Physical Education, M.S. (teaching)
- Speech-Language Pathology -- Teaching

1. No new students admitted.
2. For more information, see the Ithaca College graduate catalog. (http://www.ithaca.edu/catalogs/index.php)

**HSHP Preprofessional Program — Freshmen and Sophomores Only**
As an alternative to being admitted to one of the professional majors, a student may be admitted to preprofessional status in the School of Health Sciences and Human Performance (HSHP). This admission and advising category is offered for students who are interested in careers related to health, health care, sport, or leisure but are uncertain of the professional major they want to pursue. It is, therefore, a temporary classification only. After one semester in the program, students are free to apply to majors in HSHP or apply for transfer to another school of the College. Students are strongly advised to gain admission to a major before registration for their fourth semester or by the time they have earned 60 credits. They must be admitted to a major at the College before their junior year. To ensure meeting these deadlines, students should begin their efforts to decide on a major considerably earlier. For more information contact Julie Boles, faculty coordinator, Office of Preprofessional Studies, 607-274-3711, or visit the school’s website. (http://www.ithaca.edu/hshp/index.php)

**Minors and Concentrations**

**Minors**
- Coaching — For majors in all disciplines except physical education and health education and physical education. See Department of Health Promotion and Physical Education
- Communication disorders — For majors in all disciplines except speech-language pathology. See Department of Speech-Language Pathology and Audiology
- Deaf studies — For majors in all disciplines. See Department of Speech-Language Pathology and Audiology
- Exercise science — For majors in all disciplines except exercise science, clinical exercise science, and athletic training. See Department of Exercise and Sport Sciences
- Health — For majors in all disciplines except health education and health and physical education. See Department of Health Promotion and Physical Education
- Health policy and management — For majors in all disciplines except health care management. See Department of Health Promotion and Physical Education
- Integrative health studies — For majors in all disciplines. See Department of Health Promotion and Physical Education
- Nutrition promotion — For majors in all disciplines except health education, and health education and physical education. Students in health education or health education and physical education may complete a concentration in nutrition promotion by following the requirements of this minor. See Department of Health Promotion and Physical Education
Occupational science — For majors in all disciplines except occupational therapy. See Department of Occupational Therapy

Outdoor pursuits — For majors in all disciplines except outdoor adventure leadership, recreation management, and therapeutic recreation. See Department of Recreation and Leisure Studies

Recreation — For majors in all disciplines except outdoor adventure leadership, recreation management, and therapeutic recreation. See Department of Recreation and Leisure Studies

Sport and exercise psychology — For majors in all disciplines except exercise science, sport and exercise psychology concentration. See Department of Exercise and Sport Sciences

Sport studies — For majors in all disciplines except sport management, sport media, and sport studies. See Department of Sport Management and Media

Concentrations

Nutrition promotion — Open only to health education and health education and physical education majors; see nutrition promotion minor. See Department of Health Promotion and Physical Education

Sport and exercise psychology — For majors in all disciplines except exercise science, sport and exercise psychology concentration. See Department of Exercise and Sport Sciences

Applications for the minors and concentrations listed are available in the appropriate departmental office. Students who have majors in the school and are interested in completing any of these programs should work closely with their adviser and department chair to ensure timely graduation. Students considering a minor or concentration must abide by College policies and regulations for these programs.

In accordance with College regulations that relate specifically to minors, all departments in HSHP have determined that a course that is a requirement in a student’s major and also a requirement in one of the above minors may count for credit to meet the requirements of both the major and the minor. Departments reserve the right to limit enrollment in minors.

Teacher education students in any major may also apply for coaching certification.

Physical Activity, Leisure, and Safety

The School of Health Sciences and Human Performance maintains the physical activity, leisure, and safety (PALS) program, which offers a broad spectrum of skill courses designed to provide students with instruction at beginner, intermediate, and advanced levels in physical activities that meet individual student interests and needs. Majors and nonmajors are encouraged to participate in PALS. More information about the PALS program can be found at the PALS website. (http://www.ithaca.edu/hshp/pals/)

Special Courses of Study Available to HSHP Majors

Numerous programs, within HSHP and in other schools, assist HSHP majors in preparing themselves for a wide variety of vocational and avocational opportunities.

Ithaca Seminar - Entering First-Year Students Fall 2012 Semester

In the Fall 2012 Semester, Ithaca Seminars (4 credits) will be required for all incoming first-year students in the Roy H. Park School of Communications, the School of Humanities and Sciences, and the School of Health Sciences and Human Performance. See www.ithaca.edu/ithacaseminar for details.

Liberal Arts (LA) and Humanities and Sciences General Education Designations

The specific requirements for HSHP majors are described in the sections on those programs. Liberal arts (LA) distribution categories are as follows: fine and performing arts (FA), humanities (HU), natural science and mathematics (NS), and social and behavioral sciences (SS). More than 30 HSHP courses with School of Humanities and Sciences (H&S) general education requirements are designated as 1, 2A, 2B, 3A, 3B, G, or H. For more information see the “General Education in Humanities and Sciences” section.

International Study

HSHP students are encouraged to pursue international study. One option is the College’s London Center, which features a seminar on the national health system in Great Britain and offers social service internships in health administration. In addition, the London Center offers a variety of courses in sport management and media during the school year and summer. Other options for international study include HINT 31300 Health Care and Culture: An International Field Experience and RLS 27700 Ecotourism and Natural Resource Management.

Students should consult with their faculty advisers well in advance to ensure that study abroad is scheduled as compatibly as possible with their professional courses at Ithaca and that they have established an adequate foundation for it through their Ithaca work. The staff of the Office of International Programs, 214 Center for Health Sciences, is also available to assist students in their planning.

Internships and Experiential Learning

Many of the programs in the School of Health Sciences and Human Performance have degree requirements in which students must complete one or more field-based
Department of Speech-Language Pathology and Audiology: Students complete a field-based learning experience during senior year. These field-based experiences may take place at external sites in the community or on campus in the Sir Alexander Ewing-Ithaca College Speech and Hearing Clinic.

Course Offerings

In addition to the courses listed in this catalog, others may be offered on an experimental basis. Details of such courses are given in the Undergraduate Course Offerings for the semester in which they are offered. Students should consult the registrar’s website for specific information on the schedule of all courses each semester.

Unless otherwise designated, courses are open to all Ithaca College students on a space-available basis, provided that the prerequisites for the course have been met.

Professional Eligibility

Many of the programs in the School of Health Sciences and Human Performance lead to professional licensure and/or certification. Because these credentialing processes are designed to protect the public from practitioners who are unqualified, unscrupulous, or unable to perform professional services adequately, credentialing agencies may bar individuals from subsequent credentials and/or practice. Activities that may exclude students from licensure and/or certification include, but are not limited to,

1. conviction of, plea of guilty to, or plea of no contest (nolo contendere) to a felony or misdemeanor related to professional practice or public health or safety; or
2. any physical, mental, or dependency condition that will or may interfere with the ability to practice the designated specialty.

Students should check with the relevant licensing or certifying agencies for requirements in this area early in their academic careers.

Policies and Procedures

Dean’s List

At the end of each semester, students who have shown outstanding academic achievement are placed on the dean’s list. To be included on the dean’s list in HSHP, a student must

1. earn a minimum grade point average of 3.50,
2. pass a minimum of 15 credit hours,
3. pass a minimum of 12 letter-graded credit hours,
4. have no grades below C- and no incompletes, and
5. end the term in good standing in his or her major.

Students registered for more than 4 credits of student teaching, internship, fieldwork, or clinical education are not eligible for the dean’s list for that semester.

HSHP Undergraduate Course Grade Appeal Policy

The School of Health Sciences and Human Performance follows the general Ithaca College policy on grade disputes and students’ right to petition, described in the “Academic
Information” section of this catalog. See Credit and Grade
Information and Academic Affairs Information.

Each student assumes responsibility for presenting all the
facts and circumstances concerning a grade appeal. For the
procedures for an HSHP undergraduate course grade
appeal, see the policy on the “HSHP Community” section
of the school’s website.
(http://www.ithaca.edu/hshp/students/gradeappeal/)

Academic Status Policy

The general academic status policy of the School of Health
Sciences and Human Performance follows the College
guidelines for warning, suspension, and dismissal, set out
in the “Academic Affairs Information” section of this
catalog.

To meet minimum College academic standards, a student
must maintain at least a 2.00 cumulative GPA and pass at
least 24 credits of coursework in any consecutive 12-
month period. This policy applies to all students in the
school, in addition to other standards specifically
established by individual programs, except that the
requirement of 24 credits with a passing grade in a
consecutive 12-month period does not apply to part-time
students. Special academic status policies exist for most
majors in HSHP.

Academic Warning

A student who fails to meet any of the minimum GPA and
credit-hour standards stated above and who is not
suspended or dismissed will be placed on academic
warning. Any student returning to the College after
suspension or dismissal for academic reasons will also
have this warning status for the first semester of
reinstatement.

A student on warning must earn removal from this status
by meeting all of the minimum requirements at the end of
the following semester. Where a grade deficiency exists,
the student must attain a semester GPA sufficiently above
the 2.00 standard to result in a cumulative GPA of at least
2.00 by the end of the following semester.

Suspension and Dismissal

Failure to meet the standards necessary for removal from
warning after one semester will render the student subject
to suspension or dismissal from both the School of Health
Sciences and Human Performance and Ithaca College.

After an official warning, a student may be dismissed from
a degree program for failure to make satisfactory progress
toward degree completion. Such a student may be admitted
to another degree program in the school or College and
will have one semester in which to become enrolled in
another major or be subject to suspension from the
College.

A student will be suspended (rather than dismissed) only
when it appears reasonably likely that previous weaknesses
will be remedied and minimum requirements will be
attained through the student’s successful completion of
prescribed remedial measures during suspension. A
suspended student is eligible to resume academic work in
the school only at the time and under the conditions
specified in his or her letter of suspension.

A student who is dismissed by HSHP will not be
readmitted to one of the school’s programs under any
circumstances.

Attendance Policy

The College’s policy regarding attendance applies to
students’ class absences in the School of Health Sciences
and Human Performance. Professors, however, have
discretion in interpreting and implementing this policy.
Students who wish to participate in extracurricular or
curricular activities that may necessitate absence from
class should discuss the possibility of absences with their
instructor at the beginning of the semester. The course
syllabus should be consulted for the attendance policy of a
particular class. Students should be certain that they fully
understand each instructor’s position on absence from
classes. For more information see the College’s attendance
policy in the “Academic Information” section of this
catalog. See Registration and Course Information.

Transfer into the School of Health Sciences and Human
Performance

Both internal and external transfer applicants are
selectively admitted into HSHP. All students intending to
transfer should first contact the department in which their
intended major is offered. Those transferring from another
Ithaca College department must meet with the appropriate
HSHP department chair. Students from other institutions
are encouraged to call ahead to arrange for a similar
meeting when they visit the College. Satisfactory academic
performance is the major requirement for acceptance. On
request, a list of courses recommended for potential
transfer students is available from the chair of each
department or the transfer coordinator for the Department
of Physical Therapy.

General Requirements for Internal and External
Transfer

The following requirements must be met by students
transferring from within Ithaca College. Students
transferring from other institutions must satisfy these
requirements in addition to the requirements for admission
to Ithaca College.

1. The professional requirements in most programs in
HSHP demand a precise sequencing of courses. For
this reason, early transfer into a program is encouraged.
A late transfer may require a student to attend summer
sessions or defer graduation. Ithaca College students
who wish to transfer into any particular department
may obtain a change-of-major/school form on the Registrar’s website.

2. To be admitted to a department in HSHP, it is generally required that the student have a cumulative GPA of at least 2.00 and have completed at least 24 credit hours in the preceding 12 months. However, most degree programs are much more competitive than this.

Specific Departmental Transfer Requirements

Specific departmental transfer requirements for the following programs exceed the general requirements.

Exercise and sport sciences: For the athletic training major or the clinical exercise science major, an Ithaca College student must have a cumulative GPA of at least 2.75 or 2.50, respectively. Additionally, the student must have a minimum GPA of 3.00 or 2.75, respectively, in the specific requirements of the major and selected exercise science courses that have been completed by that time, with no grade below C- in any of those courses. Transfer into athletic training is limited to available openings and is highly competitive. Students must transfer initially into the exercise science major. On completion of required sophomore courses, the student is reviewed for admission into the athletic training science major. For sophomore review criteria, see the “Exercise and Sport Sciences” section.

Health promotion and physical education: Admission to the following majors requires a cumulative GPA of at least 2.50: health education, health education and physical education, and physical education. Additionally, these majors require a 2.75 average in selected core courses specified in applicable special academic status policies, with no grade below C in any of these courses.

Occupational therapy: Internal and external transfer applicants are considered for entry after the first semester of the freshman year and as late as the end of the second semester of the sophomore year. Applicants seeking transfer into the occupational science/occupational therapy program should have a 3.0 minimum GPA, or grades of C or better in all science courses, including biology and chemistry. They should have completed a total of 57 credits applicable to the occupational science degree or be in a position to do so by the end of the fourth semester. Early transfer is encouraged. Students transferring at the end of the sophomore year must have completed all coursework and be eligible to register for the required junior-level courses outlined in the program curriculum guidelines. Students interested in transferring into the department are encouraged to contact the department for an advising appointment as early as possible to receive a list of specific prerequisite courses and assistance in academic planning.

Physical therapy: Internal and external transfer applicants are considered for entry after the first semester of the freshman year and as late as the end of the second semester of the junior year. Applicants seeking to transfer into the clinical health studies/physical therapy program (D.P.T.) should have a minimum cumulative GPA of 3.00 and a 3.00 or better in natural science coursework. Students must be in a position to complete all specified prerequisites by the end of the sixth semester. Prerequisites include 8 credits each in biology for science majors, chemistry for science majors, and physics, and 3 credits of anatomy. Applicants must also be in a position to complete all general education requirements (27-39 credits) and a minor before entering the professional phase of the program. Details of the general education requirements may be found in the curriculum outline. Specific information on transfer admission requirements — including requirements relating to nonnative speakers, letters of recommendation, and clinical experience — is available from the Office of Admission or the physical therapy department website. See the Department of Physical Therapy and http://www.ithaca.edu/hshp/depts/pt/)

Recreation and leisure studies: Applicants seeking transfer into this department should have at least a 2.50 cumulative GPA and no grade below C- in any course offered by the department. Acceptance to department programs is also based on a composite of other factors, including interest, proficiency, practical experience, and leadership potential in the leisure, recreation, and park profession. Internal and external transfer applicants are considered for entry as late as the end of the second semester of the sophomore year. Earlier transfer is encouraged to facilitate timely graduation. Exceptions to this policy may be granted at the discretion of the chair.

Speech-language pathology and audiology: Requirements for transfer into this department include a minimum cumulative GPA of 2.50 and no grade below C- in any speech-language pathology and audiology course completed. Transfer after the first semester of the sophomore year may extend the student’s program of study by at least one year.

Sport management and media: Students planning to transfer into either sport management or sport media, when openings are available, should have at least a 2.75 cumulative GPA. Sport management applicants should demonstrate proficiency in mathematics; sport media applicants should demonstrate proficiency in writing. Transfer into sport management, sport media, sport studies, and the sport studies minor is limited to available openings and is highly competitive.

Transfer Credit for Occasional Study at Another Institution

HSHP students may take courses at another accredited college or university for transfer credit, provided prior written permission for the credit has been obtained. Petition forms for transfer credit are available at the registrar’s office and must be fully completed, submitted, and approved to secure such credit. For regulations on
Students who consider taking courses elsewhere should be aware that their last 30 credits must be taken at Ithaca College. This requirement is waived only in very special circumstances. For regulations concerning the petition for waiver of the senior credit requirement, see the “Graduation and Program Regulations” section.

Additional Costs

The curricula of most degree programs in the school involve expenses not covered by tuition for the academic year. These may include the cost of summer tuition, liability insurance, books, off-campus housing, transportation, and equipment. Such costs apply to summer internships and clinical education, which may be elected by students in clinical exercise science, exercise science, outdoor adventure leadership, physical therapy, occupational therapy, recreation management, sport management, sport media, and therapeutic recreation.

- Athletic training majors must pay for malpractice liability insurance as juniors and seniors, as must some interns in clinical exercise science.
- Clinical exercise science and exercise science students are responsible for transportation, housing, and all other costs associated with their fieldwork and internship placements. Depending on the scope and nature of the placement, some students must also pay for malpractice liability insurance.
- Clinical health studies/physical therapy (DPT) majors must pay tuition and other expenses associated with 8 credits of coursework taken in Rochester, New York, during the summer prior to the senior (fourth) year. They must pay additional tuition for 4 credits of clinical affiliation during the summer following the senior year and 6 credits of clinical affiliation during the summer at the end of the final year, in addition to other associated costs for each clinical affiliation (room, board, transportation, and liability insurance).
- Health care management majors must pay tuition, room, board, and other expenses associated with the internship credits if they are taken over the summer following the junior year.
- Health education and physical education students must pay room, board, and other expenses associated with student teaching placements.
- Health sciences and public and community health students must pay room, board, and other expenses associated with fieldwork and internships.
- Occupational science/occupational therapy majors must pay tuition, room, board, and other expenses associated with 6 credits of coursework if taken in Rochester, New York, during the summer following the junior (third) year or 5 credits of coursework if taken in Ithaca, New York. Occupational therapy majors must pay additional tuition for 6 credits of fieldwork during the summer before and 10 credits of fieldwork following coursework in the graduate year, and they are responsible for associated room, board, book, transportation, liability insurance, and other expenses. They are also responsible for the cost of transportation and liability insurance during practicums in their last two undergraduate years and during their graduate study and fieldwork.
- Speech-language pathology and audiology majors are required to furnish their own audio recorders for use in clinical work and are responsible for transportation costs associated with off campus clinical placements.
- Sport management and media students are responsible for transportation, housing, and all other costs associated with their internship and fieldwork placements.
- Outdoor adventure leadership, recreation management, and therapeutic recreation majors are responsible for the cost of liability insurance when enrolled in fieldwork and internship courses. Outdoor adventure leadership majors are responsible for purchasing their personal outdoor gear (sleeping bag, backpack, stove, heavy-duty backpacking boots, fleece jacket and pants, breathable nylon rain gear, and compass). Occasionally, students are charged an additional one-time fee to cover course expenses related to equipment, facility rental, or travel.

For more information see “Expenses” in the “Student Information” section.

Graduate Programs

In addition to the undergraduate degree programs offered by its academic departments, the school offers a variety of graduate opportunities.

- The five-year program in occupational science/occupational therapy awards a B.S. degree in occupational science at the end of the fourth year and an M.S. degree in occupational therapy at the end of the fifth year.
- The six-year program in clinical health studies/physical therapy awards a B.S. degree in clinical health studies at the end of the fourth year and a doctorate in physical therapy at the end of the sixth year.
- The graduate curriculum leading to an M.S. degree in exercise and sport sciences offers thesis and non-thesis options. One of the unique characteristics of the program is the opportunity to pursue an area of concentration in exercise physiology, sport psychology, or human performance.
• Speech-language pathology majors may apply to continue their studies beyond the B.S. degree through the department’s M.S. degree programs in speech-language pathology with teaching certification.

• The graduate curriculum leading to an M.S. in physical education or an M.S. in health education offers thesis and non-thesis options. The program is designed for individuals with an undergraduate degree in either health or physical education who have initial teaching certification in one of these areas. After completing the program, students will be eligible for New York State professional certification.

For more information regarding these programs as well as the College’s other graduate programs, consult the Ithaca College graduate catalog. (http://www.ithaca.edu/catalogs/index.php)

Department of Exercise and Sport Sciences

Tom Swensen, Associate Professor and Chair

To prepare students to address society’s growing concerns about wellness, fitness, injury prevention, and rehabilitation, the Department of Exercise and Sport Sciences (ESS) offers three exercise science majors: athletic training, clinical exercise science, and exercise science.

With careful planning, a qualified student may complete a master of science degree with a fifth year of study in the department. Questions about the five-year M.S. degree plan of study should be directed to the graduate chair, department chair, or adviser.

See EXSS courses (p. 428)

Athletic Training Major — B.S.

An athletic trainer is responsible for the prevention, care, and management of athletic injuries. The degree program in athletic training (AT) addresses the national need for better care of athletes and the physically active. Certified athletic trainers work under the direction of physicians in many settings, including high schools, colleges, professional sports programs, hospitals, fitness centers, industry, and sports medicine clinics.

The AT major is designed to prepare the student for the Board of Certification (BOC) national certification examination. Commission on Accreditation of Athletic Training Education (CAATE) standards and guidelines impose specific restrictions on the number of majors Ithaca College can enroll in the AT degree program. AT students applying for retention must sign an agreement that they will meet the program’s technical standards. Clarification regarding these standards can be obtained from the program director.

Special Academic Status Policy for AT

Retention requirements — sophomore review

At the end of the sophomore year, the student must apply to be formally reviewed for retention in or admission to the athletic training major. Retention or admission is based on the following criteria:

• cumulative adjusted GPA of at least 2.75;

• minimum adjusted GPA of 3.00 in athletic training courses EXSS 20000, EXSS 24600, EXSS 24700, EXSS 25000, EXSS 25100, and EXSS 25600, with no grade lower than C- in these courses;

• completion of basic and applied science courses EXSS 12000, EXSS 12100, EXSS 12400, EXSS 22000, and EXSS 22100 with no grade lower than C-;

• completion of 60 hours in a clinical setting supervised by Ithaca College; and

• completion of required athletic training competencies and proficiencies.

Retention or admission is competitive, based on an applicant’s level of achievement according to the stated criteria. Students should be aware that following a successful sophomore review, a minimum of 800 hours of clinical experience over a minimum of four additional semesters is required to complete the AT major. Because the clinical experience hours often coincide with athletic practice time, pursuit of the AT major may make participation in intercollegiate athletics at Ithaca College after the sophomore year more difficult and may require the completion of clinical experience hours outside the traditional academic calendar.

Junior and senior retention requirements

Retention in the AT program is based on the following criteria:

• cumulative adjusted GPA of at least 2.75;

• adjusted GPA of at least 3.00 in all athletic training coursework (EXSS 20000, EXSS 24600, EXSS 24700, EXSS 25000, EXSS 25100, EXSS 25600, EXSS 30000, EXSS 30100, EXSS 34000, EXSS 34200, EXSS 35000, EXSS 35100, EXSS 36000, EXSS 36100, EXSS 36500, EXSS 40000, EXSS 40100, EXSS 43000, and EXSS 45500), with no grade lower than C-;

• minimum grade of C- in all remaining courses required by CAATE accreditation guidelines (HLTH 20200, EXSS 32100, EXSS 37500, and a psychology elective); and

• satisfactory progress toward completion of a minimum of 800 supervised clinical hours in accordance with College specifications.
A student failing to meet the minimum standards in any given semester will be given one semester to attain them. Failure to meet standards for two consecutive semesters will result in dismissal from the AT major.

**General requirements**

**Computer science**

COMP 11000  Computers and Information Technologies  3

**Statistics**

Select 3-4 credits from the following (students may be required to complete other mathematics courses before enrolling in these courses, depending on their scores on the math placement exam):

- MATH 15500  Basic Statistical Reasoning  3
- MATH 14400  Statistics for Business, Economics and Management  4
- MATH 14500  Statistics for the Health, Life, and Social Sciences  4
- PSYC 20700  Statistics in Psychology  4

**Natural sciences**

- BIOL 11900  Fundamentals of Biology  4
- BIOL 12100  Principles of Biology I, Cell and Molecular

**Humanities**

- PHIL 21200  Introduction to Ethics  3
- PHIL 22300  Introduction to the Philosophy of Art  3

Humanities electives from a department other than philosophy  6

**Communication skills**

- CMST 11000  Public Communication  3
- CMST 11500  Business & Professional Comm  3
- WRTG 10600  Academic Writing I  3
- WRTG 11100  Academic Writing II  3
- WRTG xxxxx  Writing elective  3

**Social sciences**

- PSYC xxxxx  Psychology elective (excluding methods and statistics courses)  3

Social sciences elective from a department other than psychology  3

**Basic and applied sciences**

**Subtotal: 6**

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<td>Prevention and Care of Athletic Injuries</td>
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<td>EXSS 32100</td>
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**Subtotal: 30-31**

**Additional courses**

- PHED xxxxx  Aquatics electives  0.5-1
- or
- PALS xxxxx  Aquatics electives  0.5-1
- and
- PALS xxxxx  Lifetime sport/leisure activity elective  1.5

**Subtotal: 66-68**

**Specific requirements**

**Subtotal: 72-74**

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<td>EXSS 30100</td>
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EXSS 34200  Therapeutic Exercise in Athletic Training  3
EXSS 35000  Athletic Training Techniques III  1
EXSS 35100  Athletic Training Techniques IV  1
EXSS 36000  Medical Science I  3
EXSS 36100  Medical Science II  2
EXSS 36500  Internship in Athletic Training I  1 to 4
EXSS 37500  Research Methods in Exercise and Sport Sciences  3
EXSS 40000  Clinical Experience in Athletic Training IV  1
EXSS 40100  Clinical Experience in Athletic Training V  1
EXSS 43000  Seminar in Athletic Training  3
EXSS 45500  Internship in Athletic Training II  1 to 4

Subtotal: 44
Free electives
Free electives 8-10
Subtotal: 236-241

Summary
General requirements 66-68 credits
Specific requirements 44 credits
Free electives 8-10 credits
Total, B.S. in athletic training 120 credits

Clinical Exercise Science Major — B.S.

The major in clinical exercise science (CES) provides the student with the knowledge and skills to assess physical function and prescribe exercise for athletes, healthy individuals, and diseased individuals. This program allows students to become highly qualified in the assessment of exercise capacity and in the prescription and leadership of exercise. In a variety of settings (e.g., clinical, private, corporate, hospital), a CES-trained exercise professional will use exercise as a modality to help prevent disease or rehabilitate individuals with chronic lifestyle diseases such as cardiovascular or pulmonary disease, diabetes, and hypertension. CES majors may also choose to work with athletes to improve performance through enhanced conditioning of strength, speed, agility, balance, and other aspects of sport fitness. Students will also be prepared to help those with functional deficits that persist following rehabilitation from injury or surgery.

CES majors can choose to bring a specific focus to their study, allowing a professional specialty to evolve that emphasizes strength and conditioning of athletes, corporate wellness, cardiac rehabilitation, youth fitness, fitness management, geriatric wellness, and personal training. Such an emphasis is structured by thoughtful use of elective coursework and experiential learning (i.e., fieldwork and internship). Careers our graduates assume include working in clinical technology (e.g., pacemaker or MRI tech), strength coaching professional athletes, and managing wellness programs for Fortune 500 companies. The CES degree is flexible enough to allow the student to grow in a variety of related professional directions.

Special Academic Status Policy for Clinical Exercise Science Majors

Students in the clinical exercise science major are required to

- maintain a cumulative GPA of at least 2.50;
- maintain a minimum GPA of 2.75 in all basic and applied sciences and all specific requirements; and
- complete each of the required courses and restricted elective courses in the exercise and sport sciences department with a grade of at least C-. Failure to complete each of these courses with at least a C- mandates repeating the course. The Ithaca College policy on repeating courses stated in this catalog must be followed.

A student failing to meet these academic standards in any given semester will be given one semester to attain these standards. Failure to meet these standards in two consecutive semesters or any three semesters will result in dismissal from the major.

Enrollment in internship courses is dependent on meeting the stated academic standards. Students who meet the minimum standards described above at the time of internship registration may enroll in EXSS 47300 Internship: Preventative Clinical Exercise Science. Students who achieve academic standards of at least a 3.00 GPA in the basic and applied sciences and all specific requirements and at least a 2.75 cumulative GPA may enroll in either EXSS 47300 Internship: Preventative Exercise Science or EXSS 47400 Internship: Rehabilitative Exercise Science.

General requirements
Computer science
COMP 11000  Computers and Information Technologies  3

Mathematics
Select a total of 4 credits from the following (students may be required to complete other mathematics courses before enrolling in these courses, depending on their scores on the math placement exam):
MATH 10700  Fundamentals of Applied Calculus  4
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<td>BIOL 11900</td>
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<td>or</td>
<td>BIOL 12100 Principles of Biology I, Cell and Molecular</td>
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Conditioning Principles
or
EXSS 46000 Cardiopulmonary Assessment for Exercise 3
EXSS 46500 Practicum in Fitness Leadership 1
EXSS 47300 Internship: Preventative Clinical Exercise Science 6 to 12
or
EXSS 47400 Internship: Rehabilitative Clinical Exercise Science 6 to 12

Subtotal: 35–41

Free electives

Subtotal: 7–15

Subtotal: 163–172

Summary

General requirements 72–74 credits
Specific requirements 35–41 credits
Free electives 7–15 credits

Total, B.S. in clinical exercise science 122 credits

Exercise Science Major — B.S.

The exercise science major provides the student with a theoretical understanding of the biomechanical, neuromuscular, physiological, and psychological effects of exercise stress on the human body.

Students who have graduated with a B.S. in exercise science have gone on to careers in exercise science, ergonomics, exercise and fitness journalism, exercise nutrition, fitness management, marketing and sales, medical/pharmaceutical sales, mind/body studies, wellness education, wilderness exercise science, and youth fitness. Many students have also pursued graduate degrees in exercise physiology, sport psychology, and related exercise and health science fields.

Students may choose one of three options to complete the exercise science major: B.S. in exercise science; B.S. in exercise science, sport and exercise psychology concentration; or B.S. in exercise science, medical sciences emphasis.

Special Academic Status Policy for Exercise Science Majors

Enrollment in capstone experiences requires a certain level of academic achievement. Enrollment in EXSS 47500 Research Team in Exercise and Sport Sciences requires a 3.00 minimum cumulative GPA and a minimum 3.25 GPA in required courses in the exercise and sport sciences department, except for EXSS 16200 Introduction to Fitness and Exercise Science and EXSS 27300 Community Service in Exercise and Sport Sciences. Exercise science internships are typically in the student’s selected area of professional specialty and are not normally arranged in clinical settings. The exercise science student must plan with a faculty sponsor and have permission of the department chair to enroll in either the research team or the internship.

The B.S. in exercise science is designed to provide students with a strong background in the exercise sciences while providing the opportunity to tailor the major to their own interests and needs. To this end, students are encouraged to either complete a minor or work with a faculty adviser to create a cluster of courses within their free electives that support their career goals.

General requirements

Computer science

COMP 11000 Computers and Information Technologies 3

Mathematics

Select 4 credits from the following (students may be required to complete other mathematics courses before enrolling in these courses, depending on their scores on the math placement exam):

MATH 10700 Fundamentals of Applied Calculus 4
MATH 10800 Calculus for Decision Making 4
MATH 11100 Calculus I 4

Statistics

MATH 15500 Basic Statistical Reasoning 3
MATH 14400 Statistics for Business, Economics and Management 4
MATH 14500 Statistics for the Health, Life, and Social Sciences 4

PSYC 20700 Statistics in Psychology 4

Natural sciences

BIOL 11900 Fundamentals of Biology 4
BIOL 12100 Principles of Biology I, Cell and Molecular Natural sciences elective 3

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| Subtotal: 38-39 |

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PHED xxxx</td>
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<tr>
<td>or</td>
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<tr>
<td>PALS xxxx</td>
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<td>and</td>
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<thead>
<tr>
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<tr>
<td>HLTH 12200</td>
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<td>HLTH 20200</td>
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| Subtotal: 8-84 |

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<td>EXSS 26300</td>
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<tr>
<td>EXSS 29900</td>
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<tr>
<td>EXSS 33000</td>
</tr>
<tr>
<td>EXSS 36000</td>
</tr>
<tr>
<td>EXSS 36100</td>
</tr>
<tr>
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<tr>
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<td>Free electives 21-23</td>
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| Subtotal: 245-250 |

**Summary**

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<td>15 credits</td>
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<tr>
<td>Free electives</td>
<td>21-23 credits</td>
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</table>

**Total, B.S. in exercise science** **120 credits**

**Exercise Science, Sport and Exercise Psychology Concentration — B.S.**

The sport and exercise psychology concentration provides students with a theoretical understanding of the
psychological components of sport and exercise participation and peak performance. Students are well positioned to pursue advanced study in sport and exercise psychology or to use their knowledge to present theoretical material in an applicable way to various groups through workshops, websites, scholarly articles, and sport psychology consultation.

In addition to the general exercise science requirements, students seeking the sport and exercise psychology concentration must complete a number of courses within the sport and exercise psychology discipline as well as a minor in psychology. Courses within the concentration include Sport and Exercise Psychology, Psychology of Coaching, Motivation and Communication in Exercise and Sport, Applied Techniques in Sport Psychology, and Sport and Exercise Counseling. A detailed list of these courses is available from the department office.

<table>
<thead>
<tr>
<th>General requirements</th>
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<tbody>
<tr>
<td>Computer science</td>
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<tr>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
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<tr>
<td>Mathematics</td>
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</tr>
<tr>
<td>MATH 10700</td>
<td>Fundamentals of Applied Calculus</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>MATH 10800</td>
<td>Calculus for Decision Making</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
</tr>
<tr>
<td>Statistics</td>
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</tr>
<tr>
<td>MATH 15500</td>
<td>Basic Statistical Reasoning</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>MATH 14400</td>
<td>Statistics for Business, Economics and Management</td>
</tr>
<tr>
<td>or</td>
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<tr>
<td>MATH 14500</td>
<td>Statistics for the Health, Life, and Social Sciences</td>
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<tr>
<td>PSYC 20700</td>
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<tr>
<td>Natural sciences</td>
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<td>BIOL 11900</td>
<td>Fundamentals of Biology</td>
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<td>or</td>
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<tr>
<td>BIOL 12100</td>
<td>Principles of Biology I, Cell and Molecular</td>
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<tr>
<td>PHIL 21200</td>
<td>Introduction to Ethics</td>
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<td>PHI 23000</td>
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<td>or</td>
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<td>or</td>
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<tr>
<td>Basic and applied sciences</td>
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<tr>
<td>EXSS 12000</td>
<td>Anatomy and Physiology I</td>
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<tr>
<td>EXSS 12100</td>
<td>Anatomy and Physiology II</td>
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<td>EXSS 16200</td>
<td>Introduction to Fitness and Exercise Science</td>
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<tr>
<td>EXSS 22000</td>
<td>Kinesiology</td>
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<tr>
<td>EXSS 22100</td>
<td>Biomechanics of Human Movement</td>
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<tr>
<td>EXSS 42000</td>
<td>Advanced Biomechanics of Human Movement</td>
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<tr>
<td>EXSS 24600</td>
<td>Prevention and Care of Athletic Injuries</td>
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<tr>
<td>EXSS 32000</td>
<td>Neuromuscular Control</td>
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<tr>
<td>EXSS 32100</td>
<td>Exercise Physiology</td>
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<tr>
<td>EXSS 37500</td>
<td>Research Methods in Exercise and Sport Sciences</td>
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<td>or</td>
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<tr>
<td>PALS xxxxx</td>
<td>Aquatics electives</td>
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<tr>
<td>or</td>
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<td>PALS xxxxx</td>
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Subtotal: 68-70
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<td>EXSS 20200</td>
<td>Sport and Exercise Psychology</td>
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<tr>
<td>EXSS 29900</td>
<td>Psychology of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 33000</td>
<td>Motivation and Communication in Exercise and Sport</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 40400</td>
<td>Leadership and Team Building in Exercise and Sport</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 40500</td>
<td>Applied Techniques in Sport Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 43600</td>
<td>Sport and Exercise Counseling</td>
<td>3</td>
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<tr>
<td>PSYC 10300</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>PSYC 11300</td>
<td>Introduction to Research in Psychology</td>
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<td>PSYC 20100</td>
<td>Proseminar in Development</td>
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<tr>
<td>PSYC 31100</td>
<td>Behavioral Neuroscience</td>
<td>3</td>
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<tr>
<td>PSYC 31600</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 33000</td>
<td>Cognition</td>
<td>3</td>
</tr>
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</table>

**Mathematics**
Select 4 credits from the following (students may be required to complete other mathematics courses before enrolling in these courses, depending on their scores on the math placement exam):

- MATH 10700  
  Fundamentals of Applied Calculus  
- MATH 10800  
  Calculus for Decision Making  
- MATH 11100  
  Calculus I

**Statistics**

- MATH 14400  
  Statistics for Business, Economics and Management  
- PSYC 20700  
  Statistics in Psychology

**Natural sciences**

- BIOL 11900  
  Fundamentals of Biology  
- BIOL 12100  
  Principles of Biology I, Cell and Molecular

**Humanities**

- PHIL 21200  
  Introduction to Ethics  
- PHIL 23000  
  Bioethics  
  Humanities electives from a department other than philosophy

**Communication skills**

- CMST 11000  
  Public Communication  
- CMST 11500  
  Business & Professional Comm  
- WRTG 10600  
  Academic Writing I  
- WRTG 11100  
  Academic Writing II  
- WRTG xxxxx  
  Writing elective

**Social sciences**

- PSYC xxxxx  
  Psychology elective (excluding statistics and methods courses)  
  Social sciences elective

**Basic and applied sciences**

- EXSS 12000  
  Anatomy and Physiology I  
- EXSS 12100  
  Anatomy and Physiology II  
- EXSS 16200  
  Introduction to Fitness and Exercise

**Summary**

- **General requirements**: 68-70 credits
- **Sport and exercise psychology concentration**: 18 credits
- **Psychology minor**: 20 credits
- **Free electives**: 12-14 credits

**Total, B.S. in exercise science, sport and exercise psychology concentration**: 120 credits

**Exercise Science, Medical Sciences Emphasis — B.S.**

The medical sciences emphasis prepares students for any of the medical professions, such as medicine, osteopathy, chiropractic, physical therapy, occupational therapy, and physician assistant, by incorporating the prerequisites for entry into medical and graduate schools into the general exercise science curriculum. The emphasis is designed so that students can select one of two biology, chemistry, and physics sequences based on the requirements of their chosen medical profession. Students completing the medical sciences emphasis are also well positioned to obtain employment in exercise- and health science-related research and clinical positions in both public settings and private industry.

**General requirements**

- Computer science
  - COMP 11000  
    Computers and Information Technologies  
    3 credits
## Exercise and Sport Sciences (EXSS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EXSS 20200</td>
<td>Sport and Exercise Psychology</td>
<td>3</td>
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<tr>
<td>EXSS 22000</td>
<td>Kinesiology</td>
<td>0 to 4</td>
</tr>
<tr>
<td>EXSS 24600</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 26200</td>
<td>Principles of Fitness Evaluation and Prescription</td>
<td>0 to 4</td>
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<tr>
<td>EXSS 27300</td>
<td>Community Service in Exercise and Sport Sciences</td>
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</tr>
<tr>
<td>EXSS 32000</td>
<td>Neuromuscular Control</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 32100</td>
<td>Exercise Physiology</td>
<td>0 to 4</td>
</tr>
<tr>
<td>EXSS 37500</td>
<td>Research Methods in Exercise and Sport Sciences</td>
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</tr>
<tr>
<td>EXSS 42000</td>
<td>Advanced Biomechanics of Human Movement</td>
<td>0 to 4</td>
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</tbody>
</table>

**Subtotal: 39**

### Additional Courses

- **PHED xxxxx** Aquatics electives 0.5-1
- **PALS xxxxx** Aquatics electives 0.5-1
- **PALS xxxxx** Lifetime sport/leisure activity elective 1.5

Select dance courses listed in physical education:

- **HLTH 12200** Emergency Health Care 1
- **HLTH 20200** Human Nutrition 3

**Subtotal: 40**

### Medical Sciences Emphasis

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<td>Principles of Biology I, Cell and Molecular</td>
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<td>Principles of Chemistry</td>
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<td>CHEM 11200</td>
<td>Organic Chemistry and Biochemistry</td>
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<td>CHEM 11400</td>
<td>Chemistry Laboratory</td>
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<td>Principles of Chemistry</td>
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<td>CHEM 22100</td>
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<td>Introduction to Physics I</td>
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<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
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<td>PHYS 10100</td>
<td>Introduction to Physics I</td>
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<td>PHYS 10200</td>
<td>Introduction to Physics II</td>
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<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
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<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
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**Subtotal: 16-29**

**Summary**

- **General requirements**: 80-81
- **Medical sciences emphasis**: 16-29
- **Free electives**: 10-24

**Total, B.S. in exercise science with an emphasis in medical sciences**: 120

## Minors

### Exercise Science Minor

The exercise science minor is designed to give students a foundation in exercise science for pursuing related professional interests in health care or personal interests in the lifetime pursuit of sports participation, fitness, and wellness. The exercise science minor is open to students majoring in all disciplines except exercise and sport sciences.

**Curriculum**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EXSS 12000</td>
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<td>EXSS 12100</td>
<td>Anatomy and Physiology II</td>
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<tr>
<td>EXSS 22000</td>
<td>Kinesiology</td>
<td>0 to 4</td>
</tr>
<tr>
<td>EXSS 22100</td>
<td>Biomechanics of Human Movement</td>
<td>0 to 3</td>
</tr>
<tr>
<td>EXSS 42000</td>
<td>Advanced Biomechanics of Human Movement</td>
<td>0 to 4</td>
</tr>
</tbody>
</table>
EXSS 32100  Exercise Physiology  0 to 4  

Subtotal: 18-20

It is recommended, but not required, that students also choose one of the following:

EXSS 20200  Sport and Exercise Psychology  3  
EXSS 32000  Neuromuscular Control  3  
EXSS 42100  Advanced Study in Exercise Physiology  3  

Subtotal: 18-20

Sport and Exercise Psychology Minor

The sport and exercise psychology minor provides students with a basic understanding of the psychological components of sport and exercise participation and peak performance. Students will acquire practical and applied knowledge for team building, leadership, and goal setting, which may be used in coaching, business, industry, and wellness. The sport and exercise psychology minor is open to students majoring in all disciplines except exercise science with a concentration in sport and exercise psychology.

Curriculum

EXSS 20200  Sport and Exercise Psychology  3  
EXSS 29900  Psychology of Coaching  3  
EXSS 33000  Motivation and Communication in Exercise and Sport  3  
EXSS 40400  Leadership and Team Building in Exercise and Sport  3  
EXSS 40500  Applied Techniques in Sport Psychology  3  
EXSS 43600  Sport and Exercise Counseling  3  

Subtotal: 18

Department of Health Promotion and Physical Education

Stewart Auyash, Associate Professor and Chair

The Department of Health Promotion and Physical Education prepares students to take an active role in the promotion of health and physical activity, with a focus on enhancing the well-being of people through education in school and community settings, instruction in the health sciences, or leadership in health policy.

See HLTH courses (p. 460) and PHED courses (p. 545)

Physical Education (Teaching) Major — B.S.

The program in physical education prepares students for initial New York State certification to teach at elementary and secondary school levels. Coursework includes strong preparation in the liberal arts, health and exercise sciences, teacher education, professional theory, and professional skills. A full semester of student teaching in the senior year is required in this program. One of the two student teaching placements will be in Rochester, New York. Students who complete the major are eligible to apply for teacher certification after successfully completing the appropriate examinations. New York certification requires the New York State Teacher Certification Examinations; other states may require the Praxis examination or another designated state teaching examination.

Medical clearance by the Ithaca College health center is required for participation in any activity course. Students who do not have such clearance will not be able to complete the requirements for this degree.

All candidates for teaching certification must attend a two-hour workshop on child-abuse identification and prevention and a two-hour workshop on drug and alcohol abuse. The evening workshops are offered each semester. For more information about certification requirements and for information about fingerprinting requirements, see the “Office of Teaching and Certification” page of the Department of Education website. (http://www.ithaca.edu/hs/depts/education/cert/)

Special Academic Status Policy for Physical Education Majors

Acceptance into and retention in the physical education major is subject to compliance with the following academic standards:

1. **GPA Requirement:** All students in teacher education programs in HPPE must maintain a cumulative 2.5 GPA throughout the curriculum. If the GPA in any given semester falls below 2.50, the student is placed on program warning and is provided one semester to attain the requisite GPA. The student who fails to meet the standard for two consecutive semesters, or in any three semesters in total, will be dismissed from the program.

2. **Demonstrated Success in Pedagogy Core Courses:** Students must receive at least a C grade or above in the following courses. Failure to meet a C grade mandates repeating the course. Students will not be allowed to participate in student teaching (PHED 44100, PHED 44800, or PHED 46000) prior to receiving the grade of C or above in these courses:

   - EDUC 19210 Child Abuse Identification and Prevention
   - EDUC 19220 Drug and Alcohol Abuse Seminar
   - EDUC 19230 School Violence Prevention
   - EDUC 34000 Social and Cultural Foundations of Education
• PSYC 21010 Educational Psychology
  and
• PHED 33200 Curriculum and Methods: Elementary School PE
• PHED 33300 Curriculum and Methods: Secondary School PE

3. **Demonstrated Success in Physical Education Core Courses:** Students must maintain a GPA of 2.75 in the following content courses. Failure to maintain this standard results in program dismissal.
  • HLTH 15200 Introduction to Health and Physical Education
  • PHED 21200 Motor Skills Development
  • PHED 23000 Teaching Physical Activities in Elementary Physical Education
  • PHED 23400 Fitness Applications for Health Promotion
  • PHED 25500 Philosophy and Principles of Coaching
  • PHED 33000 Adapted Physical Education and Sport
  • PHED 43900 Tests and Measurement in Physical Education
  • PHED 44000 Organization and Administration of Physical Education

4. **Student Teaching Application:** Students must file an application for student teaching during the year prior to the student teaching experience. The student is responsible for attending all department meetings and to respond to emails from the Coordinator of Student Teaching about the application, placement sites, and deadlines. The application for student teaching requires that the student possess a current American Red Cross CPR card.

5. **Student Teaching Placements:** One of the two teaching placements will be in Rochester, New York. Students may choose to take the second placement in one of our international placement sites or at an Ithaca-area school.

6. **Student Teaching Grade:** Students may not complete the program with a grade lower than a 2.75 in the following courses. Failure to receive the correct grade in either of these courses mandates repeating the course. The degree will not be granted until this standard is met.
  • PHED 44100 Student Teaching in Physical Education
  • PHED 44800 Professional Seminar in PE

**General requirements**

**Oral Communication elective**
Select 3 credits from the following:
- CMST 11000 Public Communication 3
- CMST 11500 Business & Professional Comm 3
- CMST 14000 Small Group Communication 3
- CMST 14900 Fundamentals of Interpersonal Communication 3

**Multicultural elective**
Select 3 credits from the following:
- POLT 14100 Power: Race, Sex, and Class 3
- SOCI 10100 Introduction to Sociology 3
- SOCI 11600 Introduction to Multicultural Studies 3
- SOCI 20700 Race and Ethnicity 3
- ANTH 10400 Cultural Anthropology 3

**Writing electives**
Select 6 credits from the following:
- WRTG 10600 Academic Writing I 3
  or
- WRTG 11100 Academic Writing II 3
- WRTG Elective 3

**Additional courses**
- MATH xxxxx Mathematics elective
- Language elective — based on proficiency, 6 credits in the same language other than English
- ARAB 1xxxx Language elective
- CHIN 1xxxx Language elective
- FREN 1xxxx Language elective
- GERM 1xxxx Language elective
- HEBR 1xxxx Language elective
- ITAL 1xxxx Language elective
- LATN 1xxxx Language elective
- SPAN 1xxxx Language elective
- SLPA 10901 American Sign Language I 3
- SLPA 20901 American Sign Language II 3
- Liberal arts electives 16-17

**Subtotal:** 38

**Mathematics elective:** not MATH 10000, MATH 15200, or MATH 18000

**Health and exercise sciences**
- PHED 23400 Fitness Applications for Health Promotion 4
- HLTH 11300 Personal Health 3
- HLTH 21300 Wellness: Multicultural Perspectives on 3
Health and Healing

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<th>Course Title</th>
<th>Credits</th>
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<td>EXSS 12100</td>
<td>Anatomy and Physiology II</td>
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<tr>
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Subtotal: 21

Professional education

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<td>EDUC 19220</td>
<td>Drug and Alcohol Abuse: Identification and Prevention</td>
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<td>EDUC 19230</td>
<td>School Violence Prevention</td>
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<tr>
<td>EDUC 22900</td>
<td>Second Language Acquisition: Its Nature and Meaning for Educators</td>
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<td>EDUC 34000</td>
<td>Social and Cultural Foundations of Education</td>
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<tr>
<td>PSYC 21010</td>
<td>Educational Psychology</td>
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<tr>
<td>SLPA 21900</td>
<td>Language/Literacy Development in Children Age 3 to 21</td>
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<td>PHED 44100</td>
<td>Student Teaching in Physical Education</td>
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<tr>
<td>PHED 44800</td>
<td>Professional Seminar</td>
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Subtotal: 120

Summary

General requirements (LA) 38
Health and exercise sciences 21
Professional education 22
Professional content and pedagogy: physical education 39

Total, B.S. in physical education (teaching) 120

Health Education (Teaching) Major — B.S.

This program prepares students to educate others about personal, family, and community health concerns, including maintaining good health and preventing illness. Graduates may teach health in elementary and secondary schools or serve in public health and social service agencies. The curriculum has a broad, interdisciplinary orientation that emphasizes the biological, psychological, and sociological aspects of health. A full semester of student teaching in the senior year is required in this program. The semester is divided into two separate placements, with one of the placements in Rochester, New York. Students who complete this major qualify to take the national examination to be certified as health education specialists and are eligible to apply for initial teacher certification after successfully completing the appropriate examinations. New York certification requires the New York State Teacher Certification Examinations; other states may require the Praxis examination or another designated state teaching examination.

All candidates for initial teaching certification must attend a two-hour workshop on child-abuse identification and prevention. The evening workshop is offered once each semester. For more information about certification requirements, and for information about fingerprinting requirements, see the “Office of Teaching and Certification” page of the Department of Education website.

(Office of Teaching and Certification)

Special Academic Status Policy for Health Education Majors

Acceptance into and retention in the health education major is subject to compliance with the following academic standards:
GPA Requirement: All students in teacher education programs in HPPE must maintain a cumulative 2.5 GPA throughout the curriculum. If the GPA in any given semester falls below 2.50, the student is placed on program warning and is provided one semester to attain the requisite GPA. Any student who fails to meet the standard for two consecutive semesters, or in any three semesters in total, will be dismissed from the program.

Demonstrated Success in Pedagogy Core Courses:
Students must receive at least a C grade or above

Acceptance into and retention in the health education and physical education major is subject to compliance with the following academic standards:

1. GPA Requirement: All students in teacher education programs in HPPE must maintain a cumulative 2.5 GPA throughout the curriculum. If the GPA in any given semester falls below 2.50, the student is placed on program warning and is provided one semester to attain the requisite GPA. Any student who fails to meet the standard for two consecutive semesters, or in any three semesters in total, will be dismissed from the program.

2. Demonstrated Success in Pedagogy Core Courses:
Students must receive at least a C grade or above in the following course. Failure to meet the C grade mandates repeating the course. Students will not be allowed to participate in student teaching (PHED 44500, HLTH 44500 or HLTH/PHED 44800) prior to receiving the correct grade of C or above in these courses:
   - EDUC 19210 Child Abuse Identification and Prevention
   - EDUC 19230 School Violence Prevention
   - EDUC 22900 Second Language Acquisition: Its Nature and Meaning for Educators
   - EDUC 34000 Social and Cultural Foundations of Education
   - PSYC 21010 Educational Psychology
   - SLPA 21900 Language/Literacy Development in Children Age 3 to 21
   - HLTH 36000 Curriculum & Materials in Health
   - HLTH 42000 Teaching Strategies in Health

3. Demonstrated Success in Health Education Content Courses: Students must maintain a GPA of 2.75 in the following content courses. Failure to maintain this standard results in program dismissal:
   - HLTH 15200 Introduction to Health & Physical Education
   - HLTH 20200 Human Nutrition
   - HLTH 21300 Wellness: Multicultural Perspectives on Health and Healing
   - HLTH 22800 Human Sexuality
   - HLTH 22900 Disease & Lifestyle
   - HLTH 31500 Family Health Problems
   - HLTH 33300 Development & Evaluation of Health Programs
   - HLTH 35000 Drug Use and Abuse

4. Student Teaching Application: Students must file an application for student teaching during the year ahead of the student teaching experience. The student is responsible for attending all department meetings and to respond to emails from the Coordinator of Student Teaching about the application, placement sites, and deadlines. The application for student teaching requires that the student possess a current American Red Cross CPR card.

5. Student Teaching Placements: One of the two teaching placements will be in Rochester, New York. Students may choose to take the second placement in one of our international placement sites or at an Ithaca-area school.

6. Student Teaching Grade: Students may not receive lower than a 2.75 in the following courses and complete the degree program. Failure to receive the correct grade in any of these courses mandates repeating the course, and the degree will not be granted until this standard is met:
   - HLTH 44100 Student Teaching in Health Education
   - HLTH 44800 Seminar in Health Education

General requirements

Biology elective
Select at least 3 credits from the following:
- BIOL 10400 Environmental Biology 3
- BIOL 11500 Essentials of Biology 3
- BIOL 11900 Fundamentals of Biology 4

Oral Communication elective
Select 3 credits from the following:
- CMST 11000 Public Communication 3
- CMST 14000 Small Group Communication 3
- CMST 14900 Fundamentals of Interpersonal Communication 3
- CMST 21800 Communication Studies for the Classroom Teacher 3

Multicultural elective
Select 3 credits from the following:
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>POLT 14100</td>
<td>Power: Race, Sex, and Class</td>
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<tr>
<td>SOCI 11600</td>
<td>Introduction to Multicultural Studies</td>
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</tr>
<tr>
<td>SOCI 20700</td>
<td>Race and Ethnicity</td>
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<tr>
<td>ANTH 10400</td>
<td>Cultural Anthropology</td>
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<td>POLT 12900</td>
<td>Introduction to Global Studies</td>
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<td></td>
<td>Counseling elective</td>
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<td>Select 3 credits from the following:</td>
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<td>SOCI 30800</td>
<td>Counseling Theory and Dynamics</td>
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<td>SOCI 30900</td>
<td>Group Counseling</td>
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<td>WRTG 10600</td>
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<td>MATH xxxx</td>
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<td>Language elective — based on proficiency, 6 credits in the same language other than English</td>
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<td>GERM 1xxxx</td>
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<td>SLPA 10901</td>
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<td>EXSS 12000</td>
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<td>Human Nutrition</td>
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<tr>
<td>HLTH 22800</td>
<td>Human Sexuality</td>
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<td>HLTH 22900</td>
<td>Disease and Lifestyle</td>
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<td>HLTH 31500</td>
<td>Family Health Problems</td>
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<td>HLTH 33300</td>
<td>Development and Evaluation of Health Programs</td>
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<td>Abnormal Psychology</td>
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<td>SOCI 31400</td>
<td>Sociology of Health and Medicine</td>
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<td>SOCI 31600</td>
<td>Women and Health</td>
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<td>HLTH 10200</td>
<td>Medical Terminology</td>
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<td>HLTH 20500</td>
<td>Critical Health Issues</td>
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<td>HLTH 36100</td>
<td>Front-Page Public Health: Policy and Epidemiology</td>
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<td>HLTH 11300</td>
<td>Personal Health</td>
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<td>HLTH 12200</td>
<td>Emergency Health Care</td>
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<td>HLTH 22400</td>
<td>Emergency Health Care Instructor</td>
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<td>HLTH 22700</td>
<td>Stress: Its Nature and Management</td>
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<td>HLTH 31700</td>
<td>Community Health</td>
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<td>HLTH 33000</td>
<td>Health Promotion in the Workplace</td>
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<tr>
<td>HLTH 39900</td>
<td>Selected Topics in Health</td>
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<td>HLTH 45200</td>
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<td>GERO 10100</td>
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<td>Professional education courses</td>
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<td>EDUC 19210</td>
<td>Child Abuse Identification and Prevention</td>
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<td>School Violence Prevention</td>
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<td>EDUC 34000</td>
<td>Social and Cultural Foundations of Education</td>
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<td>PSYC 21010</td>
<td>Educational Psychology</td>
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<td>SLPA 21900</td>
<td>Language/Literacy Development in Children Age 3 to 21</td>
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<td>HLTH 42000</td>
<td>Teaching Strategies in Health Education</td>
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Summary

General requirements (LA) 41-43
Professional health core 27
Professional health electives 12
Professional education 28
Free electives 10-12
Total, B.S. in health education (teaching) 120

Health Education and Physical Education (Teaching) Major — B.S.

The dual major in health education and physical education enables students to become certified to teach in two areas. On graduation, students are eligible for New York State initial teacher certification in both health education and physical education. This dual certification offers increased professional opportunities, and it meets the needs of students who desire to teach both health education and physical education in the public schools of New York State. Students who complete the dual major are eligible to apply for teacher certification after successfully completing the appropriate examinations. New York certification requires the New York State Teacher Certification Examinations; other states may require the Praxis examination or other designated state teaching examination.

Coursework includes strong preparation in the liberal arts, health and exercise sciences, physical education, teacher education, professional theory, and professional skills. A full semester of student teaching in the senior year is required. One of the two student teaching placements will be in Rochester, New York. It should be noted that because this program prepares students in two areas, there is relatively little room left for electives. For those students whose career interests lie within these areas, however, this program offers considerable depth in two highly related areas, within a challenging curriculum.

Medical clearance by Ithaca College’s health center is required for participation in any activity course. Students who do not have such clearance will not be able to complete the requirements for this degree program.

All candidates for teaching certification must attend a two-hour workshop on child-abuse identification and prevention. The evening workshop is offered once each semester. For more information about certification requirements and for information about fingerprinting requirements, see the “Office of Teaching Certification” page of the Department of Education website. (http://www.ithaca.edu/hs/depts/education/cert/)

Special Academic Policy for Health Education and Physical Education (Dual) Major

Acceptance into and retention in the health education and physical education major is subject to compliance with the following academic standards:

1. GPA Requirement: All students in teacher education programs in HPPE must maintain a cumulative 2.5 GPA throughout the curriculum. If the GPA in any given semester falls below 2.50, the student is placed on program warning and is provided one semester to attain the requisite GPA. Any student who fails to meet the standard for two consecutive semesters, or in any three semesters in total, will be dismissed from the program.

2. Demonstrated Success in Pedagogy Core Courses: Students must receive at least a C grade or above in the following course. Failure to meet a C grade mandates repeating the course. Students will not be allowed to participate in student teaching (PHED 44500, HLTH 44500 or HLTH/PHED 44800) prior to receiving the correct grade of C or above in these courses:
   - EDUC 19210 Child Abuse Identification and Prevention
   - EDUC 19230 School Violence Prevention
   - EDUC 22900 Second Language Acquisition: Its Nature and Meaning for Educators
   - EDUC 34000 Social and Cultural Foundations of Education
   - PSYC 21010 Educational Psychology
   - SLPA 21900 Language/Literacy Development in Children Age 3 to 21 and
   - HLTH 36000 Curriculum & Materials in Health
   - HLTH 42000 Teaching Strategies in Health and
   - PHED 33200 Curriculum & Methods: Elementary
   - PHED 33300 Curriculum & Methods: Secondary

3. Demonstrated Success in Physical Education Core Courses: Students must maintain a GPA of 2.75 in the following content courses. Failure to maintain this standard results in program dismissal.
   - PHED 21200 Motor Skills Development
   - PHED 23000 Teaching Physical Activity in Elementary Physical Education
   - PHED 33000 Adapted Physical Education & Sport
   - PHED 33200 Curriculum & Methods: Elementary
   - PHED 33300 Curriculum & Methods: Secondary
   - PHED 23400 Fitness Applications for Health Promotion
• PHED 43900 Tests & Measurement in Physical Education or HLTH 43900 Test & Measurement in Health Education

4. Demonstrated Success in Health Education Content Courses: Students must maintain a GPA of 2.75 in the following content courses. Failure to maintain this standard results in program dismissal:
   • HLTH 15200 Introduction to Health & Physical Education
   • HLTH 20200 Human Nutrition
   • HLTH 21300 Wellness: Multicultural Perspectives on Health and Healing
   • HLTH 22800 Human Sexuality
   • HLTH 22900 Disease & Lifestyle
   • HLTH 31500 Family Health Problems
   • HLTH 33300 Development & Evaluation of Health Programs
   • HLTH 35000 Drug Use and Abuse

5. Student Teaching Application: Students must file an application for student teaching during the year ahead of the student teaching experience. The student is responsible for attending all department meetings and to respond to emails from the Coordinator of Student Teaching about the application, placement sites, and deadlines. The application for student teaching requires that the student possess a current American Red Cross CPR card.

6. Student Teaching Placements: One of the two teaching placements will be in Rochester, New York. Students may choose to take the second placement in one of our international placement sites or at an Ithaca-area school.

7. Student Teaching Grade: Students may not receive lower than a 2.75 in the following courses and complete the degree program. Failure to receive the correct grade in any of these courses mandates repeating the course, and the degree will not be granted until this standard is met.
   • HLTH 44500 Student Teaching in Health Education (dual major)
   • PHED 44500 Student Teaching in Physical Education (dual major)
   • HLTH 44800 Seminar in Health Education or
   • PHED 44800 Seminar in Physical Education

General requirements

Computer science
HLTH 13901 Technology for the Professional Edge 3

Mathematics elective
Select 3-4 credits from the following:
MATH xxxx courses 3-4
MATH xxxx courses: not MATH 10000, MATH 15200, or MATH 18000

Multicultural elective
Select 3 credits from the following:
POLT 14100 Power: Race, Sex, and Class 3
SOCI 10100 Introduction to Sociology 3
SOCI 11600 Introduction to Multicultural Studies 3
SOCI 20700 Race and Ethnicity 3
ANTH 10400 Cultural Anthropology 3
POLT 12900 Introduction to Global Studies 3

Oral Communication elective
Select 3 credits from the following:
CMST 11000 Public Communication 3
CMST 11500 Business & Professional Communication 3
CMST 14000 Small Group Communication 3
CMST 14900 Fundamentals of Interpersonal Communication 3
CMST 21800 Communication Studies for the Classroom Teacher 3

Writing electives
Select 6 credits from the following:
WRTG 10600 Academic Writing I 3
WRTG 11100 Academic Writing II 3
WRTG xxxx Elective 3
WRTG xxxx Elective: not WRTG 10100

Additional courses
Language elective — based on proficiency, 6 credits in the same language other than English
ARAB 1xxxx Language elective
CHIN 1xxxx Language elective
FREN 1xxxx Language elective
GERM 1xxxx Language elective
HEBR 1xxxx Language elective
ITAL 1xxxx Language elective
LATN 1xxxx Language elective
SPAN 1xxxx Language elective
SLPA 10901 American Sign Language I 3
SLPA 20901 American Sign Language II 3

Subtotal: 24-25
### Exercise science component (LA)

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### Professional content and pedagogy: health education

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<td>Fitness Applications for Health Promotion</td>
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<td>HLTH 15200</td>
<td>Introduction to Health and Physical Education</td>
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<td>HLTH 21300</td>
<td>Wellness: Multicultural Perspectives on Health and Healing</td>
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<td>HLTH 22800</td>
<td>Human Sexuality</td>
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<td>HLTH 31500</td>
<td>Family Health Problems</td>
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<td>HLTH 35000</td>
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### Professional content and pedagogy: physical education

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<td>PHED 17800</td>
<td>Fundamental Movement Concepts Gymnastics</td>
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<td>Teaching Goal-Oriented Games in Physical Education</td>
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<td>Teaching Net/Wall Games in Physical Education</td>
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<td>Teaching Target and Fielding Games in Physical Education</td>
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<td>PHED 20700</td>
<td>Teaching Outdoor Pursuits and Contemporary Activities</td>
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<td>PHED 23500</td>
<td>Teaching Fitness in Physical Education</td>
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</tr>
<tr>
<td>PHED 33000</td>
<td>Adapted Physical Education and Sport</td>
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<tr>
<td>PHED 33200</td>
<td>Curriculum and Methods in Elementary School Physical Education</td>
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<td>PHED 33300</td>
<td>Curriculum and Methods in Secondary School Physical Education</td>
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<tr>
<td><strong>Subtotal</strong>: 24</td>
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</table>

### Professional education component

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EDUC 19210</td>
<td>Child Abuse Identification and Prevention</td>
<td></td>
</tr>
<tr>
<td>EDUC 19230</td>
<td>School Violence Prevention</td>
<td></td>
</tr>
<tr>
<td>EDUC 22900</td>
<td>Second Language Acquisition: Its Nature and Meaning for Educators</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 34000</td>
<td>Social and Cultural Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 21010</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 21900</td>
<td>Language/Literacy Development in Children Age 3 to 21</td>
<td>2</td>
</tr>
<tr>
<td>HLTH 44500</td>
<td>Student Teaching in Health Education (dual major)</td>
<td>5</td>
</tr>
<tr>
<td>PHED 44500</td>
<td>Student Teaching in Physical Education (dual major)</td>
<td>5</td>
</tr>
<tr>
<td>PHED 44800</td>
<td>Professional Seminar</td>
<td>2</td>
</tr>
<tr>
<td>or</td>
<td>HLTH 44800</td>
<td>Seminar in Health Education</td>
</tr>
<tr>
<td><strong>Subtotal</strong>: 22</td>
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</table>

### Liberal arts electives

- Liberal arts electives 12-13 credits

### Free electives

- Free electives 3-4

### Summary

- General requirements 24-25
- Exercise science component 8
- Professional content and pedagogy: health education 31
- Professional content and pedagogy: physical education 24
- Professional education component 22
- Liberal arts electives 12-13
- Free electives 3-4

**Total, B.S. in health education and physical education (teaching)** 125

### Health Sciences Major — B.S.

The health sciences degree program is designed to prepare students for graduate study in a variety of health professions. The major combines knowledge from several disciplines related to health and disease. The health core focuses on scientific facts and principles pertinent to personal and community health. The integration of courses from the behavioral sciences helps students understand the
psychological and sociological determinants of health. Courses in the natural sciences provide a strong foundation for future health professionals. A practicum provides real-world experiences linking education to service.

Health professionals must respect individual differences, communicate effectively, use analytic and computer skills, work collaboratively, and be sensitive to ethical issues. Coursework in this major provides students with these skills, and electives afford students the opportunity to direct their studies toward specific careers. Thus, this program provides excellent preprofessional preparation for students planning graduate study to become public health specialists, administrators, researchers, policy analysts, dietitians, nurses, chiropractors, occupational or physical therapists, physicians, physician assistants, or health care practitioners in related fields.

Special Academic Status Policy for Health Sciences Majors

Students will not be allowed to enroll in the professional practicum (HLTH 34900, HLTH 44900, or HLTH 45300) until they have presented a current American Red Cross CPR and first aid card to the internship coordinator.

Health Sciences Emphasis Programs

Students in health sciences are required to declare one of the following two emphasis programs.

The premedical emphasis is driven by the curricular needs of students pursuing premedical graduate education and future clinical health preparation.

The nutrition emphasis is suited to students pursuing graduate education in dietetics or other nutrition-related professions.

General requirements (LA)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
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</tr>
<tr>
<td>or</td>
<td>WRTG 11100</td>
<td>Academic Writing II</td>
</tr>
<tr>
<td>WRTG 2xxx</td>
<td>Any level-2 writing elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Math elective (see specific courses below)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Statistics elective (see specific courses below)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Multicultural elective (see specific courses below)</td>
<td></td>
</tr>
<tr>
<td>PHIL 21200</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>PHIL 23000</td>
<td>Bioethics</td>
</tr>
<tr>
<td>CMST 1xxx</td>
<td>Any level-1 oral communication studies elective</td>
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<tr>
<td>or</td>
<td>CMST 2xxx</td>
<td>Any level-2 oral communication studies elective</td>
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</table>

Subtotal: 24-26

Math elective: MATH 10500, MATH 10600, MATH 10800, MATH 11100
Statistics elective: MATH 14500, MATH 15500, MATH 21600
Multicultural elective: ANTH 10400, GERO 10100, POLT 14100, RLS 12500, SOC 11600, or SOCI 20700

Subtotal: 27

Heath sciences core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 11900</td>
<td>Fundamentals of Biology</td>
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<tr>
<td>BIOL 12000</td>
<td>Fundamentals of Biology</td>
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</tr>
<tr>
<td>EXSS 12000</td>
<td>Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 12100</td>
<td>Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HLTH 20200</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 22900</td>
<td>Disease and Lifestyle</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 30600</td>
<td>Counseling for the Health Professions</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 48500</td>
<td>Epidemiological Approaches to Disease Prevention and Control</td>
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Subtotal: 28

Premeed emphasis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CHEM 12100</td>
<td>Principles of Chemistry</td>
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<tr>
<td>CHEM 12400</td>
<td>Experimental Chemistry I</td>
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<tr>
<td>CHEM 22500</td>
<td>Experimental Chemistry II</td>
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</tr>
<tr>
<td>CHEM 23200</td>
<td>Quantitative Chemistry</td>
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</tr>
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</table>
### Summary

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CHEM 22100</td>
<td>Organic Chemistry I</td>
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</tr>
<tr>
<td>CHEM 22200</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 10100</td>
<td>Introduction to Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 10200</td>
<td>Introduction to Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
<td>4</td>
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<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnatism</td>
<td>4</td>
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</table>

**Subtotal:** 25

PHYS 11700: Requires MATH 11100 as prerequisite

PHYS 11800: Requires MATH 11200 as prerequisite

### Nutrition emphasis

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CHEM 12100</td>
<td>Principles of Chemistry</td>
<td>4</td>
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<tr>
<td>CHEM 22100</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 22200</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>BIOC 21100</td>
<td>Essentials of Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 20100</td>
<td>Food and Society</td>
<td>3</td>
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<tr>
<td>HLTH 30100</td>
<td>Lifecycle Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 30300</td>
<td>Nutritional Care and Therapeutics</td>
<td>3</td>
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<tr>
<td>HLTH 30500</td>
<td>Community Nutrition: Global Perspectives</td>
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<tr>
<td>HLTH 40100</td>
<td>Nutrition Proseminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 28

### Subtotal: 132-134

### Health Care Management Major — B.S.

The health care management degree program is designed to prepare students to manage the sustainable delivery of clinical health care within a framework that seeks to reduce and manage errors, costs, and demands on the supply chain. The program in health care management produces professionals who understand not only the financial transactions in the health care market but also the public policy, government, science and technology, and culture behind the institution of health care. Graduates of this program are well prepared to serve as administrators in health care organizations, insurance companies, and health care consulting firms.

In addition to the required and elective courses in this degree program, students must complete a minor in the School of Business, in either Pre-MBA or business. Students who choose the Pre-MBA minor are prepared to apply to Ithaca College’s M.B.A. program upon graduation.

#### General requirements (LA)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 11100</td>
<td>Academic Writing II</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 2xxxx</td>
<td>Any level-2 writing elective</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 21200</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 23000</td>
<td>Bioethics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 10700</td>
<td>Fundamentals of Applied Calculus</td>
<td>4</td>
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<tr>
<td>MATH 10800</td>
<td>Calculus for Decision Making</td>
<td>4</td>
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<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>MATH 14400</td>
<td>Statistics for Business, Economics and Management</td>
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<tr>
<td>MATH 14500</td>
<td>Statistics for the Health, Life, and Social Sciences</td>
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<tr>
<td>CMST 11000</td>
<td>Public Communication</td>
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<tr>
<td>CMST 11500</td>
<td>Business &amp; Professional Comm</td>
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</tr>
<tr>
<td>ECON 12100</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
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<tr>
<td>ECON 12200</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Multicultural elective (see specific courses below)</td>
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</tbody>
</table>

**Subtotal:** 29

### Multicultural Elective: ANTH 10400, POLT 12900, POLT 14100, RLS 12500, SOCI 11600, or SOCI 20700

### Health promotion core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HLTH 10600</td>
<td>Introduction to Health Promotion Professions</td>
<td>3</td>
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<tr>
<td>HLTH 13901</td>
<td>Technology for the Professional Edge</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 20500</td>
<td>Critical Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 21300</td>
<td>Wellness: Multicultural Perspectives on Health and Healing</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 31600</td>
<td>Health Research and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 33510</td>
<td>Legal and Ethical Issues in Health Policy</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 44400</td>
<td>Leadership and Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 34900</td>
<td>Fieldwork in Health</td>
<td>.5</td>
</tr>
</tbody>
</table>

**Subtotal:** 6
and/or
HLTH 44900 Internship in Health 6 to 12

Subtotal: 27

Health care management core
HLTH 10200 Medical Terminology 3
HLTH 14000 Cyborgs, Clones, and Policy: New Technologies in Health and Medicine 3
HLTH 20300 Consumer Health 3
HLTH 22600 Health Communication 3
or
CMST 22600 Health Communication 3
HLTH 30400 Economics of Health Care 3
HLTH 32100 Financial Aspects of Health Care Management 3
HLTH 32600 Health Planning and Administration 3
GERO 10100 Introduction to Aging Studies 3

Subtotal: 56

Summary
General requirements 29
Health promotion core 27
Health care management core 24
Minor in business or Pre-MBA 18-24
Free and restricted electives 16-22
Total, B.S. in health care management 120

Public and Community Health Major — B.S.

The public and community health degree is designed to prepare students to use scientific research, program planning, policy analysis, and education to change the conditions and the systems that affect the health of people. The program in public and community health provides students with the information and analytical skills necessary to collect and analyze health data, to identify and plan for community health needs, to implement and evaluate health programs that encourage healthy lifestyles, and to advocate for better health policy. The public and community health curriculum engages students in thinking critically about creative solutions to public health problems and recognizing that health is related to many issues, including genetics, personal choices and behaviors, and the environment. Public and community health professionals work in health care agencies, public health departments, public interest groups, and research organizations that have an interest in health.

Students in public and community health customize their degree experience by choosing the emphasis that suits their career interests:

- The program emphasis is for students interested in applying public health practice at the program level, working with individuals in a teaching or directing role.
- The policy emphasis is for students interested in working at state, national, and global levels advocating legislation, program policy, and rule making around health care issues.
- The PIC (planned interdisciplinary combination) in health is for students who want to study a specific or unique niche in the public health sphere, such as women’s health, incarcerated population health, and public health nursing.

General requirements
WRTG 10600 Academic Writing I 3
or
WRTG 11100 Academic Writing II 3
WRTG 2xxx Any level-2 writing elective 3
Math elective (see specific courses below) 3-4
Statistics elective (see specific courses below) 3-4
PHIL 21200 Introduction to Ethics 3
or
PHIL 23000 Bioethics 3
CMST 1xxx Any level-1 oral communication studies elective 3
or
CMST 2xxx Any level-2 oral communication studies elective 3
PSYC 10300 General Psychology 3
or
PSYC 10400 Introduction to Developmental Psychology 3
Multicultural elective (see specific courses below) 3

Subtotal: 24-26

Math elective: MATH 10500, MATH 10600, MATH 10800, or MATH 11100
Statistics elective: MATH 14500, MATH 15500, or MATH 21600
Multicultural elective: ANTH 10400, POLT 12900, GERO 10100, POLT 14100, RLS 12500, SOCI 11600, or SOCI 20700
Health promotion core
HLTH 10600 Introduction to Health Promotion Professions 3
HLTH 13901 Technology for the Professional Edge 3
HLTH 20500 Critical Health Issues 3
HLTH 21300 Wellness: Multicultural Perspectives on Health and Healing 3
HLTH 31600 Health Research and Analysis 3
HLTH 33510 Legal and Ethical Issues in Health Policy 3
HLTH 44400 Leadership and Health Promotion 3
HLTH 34900 Fieldwork in Health .5 to 6
and/or
HLTH 44900 Internship in Health 6 to 12
Subtotal: 27

Public and community health core
BIOL 11500 Essentials of Biology 3
BIOL 11900 Fundamentals of Biology 4
or
BIOL 1xxxx Any level-1 or level-2 biology elective 3-4
or 2xxxx
HLTH 22900 Disease and Lifestyle 3
HLTH 31700 Community Health 3
HLTH 36100 Front-Page Public Health: Policy and Epidemiology 3
HLTH 48500 Epidemiological Approaches to Disease Prevention and Control 3
HLTH 48700 Multicultural Issues in Health 3
Subtotal: 21-23

Program emphasis
HLTH 20200 Human Nutrition and/or 3
HLTH 22800 Human Sexuality and/or 3
HLTH 25000 International Health Issues and/or 3
HLTH 31500 Family Health Problems 3
HLTH 35000 Drug Use and Abuse 3
HLTH 33300 Development and Evaluation of Health Programs 3
HLTH 42000 Teaching Strategies in Health Education 3
SOCI 2xxxx Sociology elective 3
or 3xxxx
Subtotal: 24

or
Policy emphasis
HLTH 11000 War, Hunger, and Genocide: An 3
International Health Perspective and/or
HLTH 14000 Cyborgs, Clones, and Policy: New Technologies in Health and Medicine and/or
HLTH 20100 Food and Society and/or
HLTH 25000 International Health Issues and/or
HLTH 22600 Health Communication and/or
HLTH 30400 Economics of Health Care 3
WRTG 21100 Writing for the Workplace or
WRTG 21300 Technical Writing 3
WRTG 31100 Writing for the Professions or
WRTG 31700 Proposal and Grant Writing 3
POLT 2xxxx or 3xxxx Politics elective 3
Subtotal: 24

or
Planned interdisciplinary combination in health emphasis
HLTH xxxx Health electives 9
Electives outside department 15
Subtotal: 24

Subtotal: 144-148

Summary
General requirements 24-26
Health promotion core 27
Public and community health core 21-23
Emphasis (program, policy, or PIC) 24
Free and restricted electives 20-24
Total, B.S. in public and community health 120

Minors

Coaching Minor
Open to students majoring in all disciplines except physical education and health education and physical education. This minor is designed to prepare students to coach one or two specific sports.
Requirements
PHED xxxx Coaching Seminar 2
PHED 25500 Philosophy and Principles of Coaching 3
PHED 25600  Health Sciences Applied to Coaching  3
PHED 34900  Fieldwork in Physical Education  1 to  6
HLTH 12200  Emergency Health Care  1
PHED 21200  Motor Skills Development  3
SPMM 29500  Social Aspects of Sport  3
or
EXSS 20200  Sport and Exercise Psychology  3
PHED xxxxx and PHED 34900: Course must be in the first sport to be registered.

Electives
Select 3 credits from the following:
PHED 34900  Fieldwork in Physical Education  1 to  6
PHED xxxxx  Coaching Seminar  2
PHED 44000  Organization and Administration of Physical Education  3
HLTH 20200  Human Nutrition  3
HLTH 21300  Wellness: Multicultural Perspectives on Health and Healing  3
HLTH 22400  Emergency Health Care Instructor  2
EXSS 24600  Prevention and Care of Athletic Injuries  3
EXSS 24700  Advanced Prevention and Care of Athletic Injuries and Illnesses  3
SPMM 29500  Social Aspects of Sport  3
SPMM 29700  Sport: Philosophical Perspectives  3
SPMM 29800  Gender Issues in Sport  3
SPMM 32400  Youth Sport in America  3
SPMM 20700  History of Sport  3
PHED xxxxx: Course must be in the second sport to be registered.

Total Credit Hours: 19

Health Minor
The health minor is open to all students majoring in health sciences with a focus on health promotion, education, and physical education.

Theoretical framework
HLTH 20500  Critical Health Issues  3
HLTH 21300  Wellness: Multicultural Perspectives on Health and Healing  3

Health core
HLTH 20200  Human Nutrition  3
HLTH 22800  Human Sexuality  3
HLTH 35000  Drug Use and Abuse  3

Professional health electives
Select 6 credits from the following:
HLTH 20300  Consumer Health  3
HLTH 22700  Stress: Its Nature and Management  3
HLTH 24000  Health Promotion and the Older Adult  3
HLTH 25000  International Health Issues  3
HLTH 31700  Community Health  3
HLTH 48700  Multicultural Issues in Health  3
PHED 23400  Fitness Applications for Health Promotion  4
SOCI 31600  Women and Health  3

Total Credit Hours: 18

Health Communication Minor
The interdisciplinary minor in health communication is administered by the Department of Communication Studies and the Health Communication Steering Committee, which consists of one faculty member from each of the following departments: health promotion and physical education, strategic communication, and communication studies. It involves coursework from three schools of the College and is designed to allow any student the opportunity to learn more about the complexities of communication in health care and health promotion.

For more information on this minor, see the "Health Communication Minor" section of the Department of Communication Studies.

Health Communication Minor
(p. 139)

Health Policy and Management Minor
This minor provides students with an understanding of the complexity and requirements of institutions, policies, and management issues in health care and the skills necessary to pursue a broad range of health-related management and/or policy opportunities in the for-profit, nonprofit, and governmental sectors. This minor is appropriate for students pursuing careers in the health care field, especially students majoring in allied health fields, business, gerontology, or the social sciences. The minor is not open to students in health care management.

Requirements
HLTH 20500  Critical Health Issues  3
HLTH 32600  Health Planning and Administration  3
GBUS xxxxx  Any GBUS course  3
or
MGMT xxxxx  Any MGMT course  3
GERO 10100  Introduction to Aging Studies  3

Subtotal: 12

Select at least 6 credits from the following:
Integrative Health Studies Minor

The integrative health studies minor is an interdisciplinary minor open to all students. Courses offered by multiple departments on campus are designed to facilitate the study of complementary and alternative health modalities and their history, theory, cultural contexts, economics, and uses to promote wellness and prevent disease. The minor complements the study of any allied health field, and enriches the perspective of any student interested in his or her own well-being and in health and medicine as they interact with culture, economics, politics, and science.

Introductory course

Select one of the following:

- HLTH 21300 Wellness: Multicultural Perspectives on Health and Healing 3
- ANTH 28300 Integrative Health Care in American Culture 3

Core area

- EXSS 36400 Complementary and Alternative Therapies 3

Political, economic, and policy issues

At least 3 credits from the following:

- HLTH 20500 Critical Health Issues 3
- HLTH 25000 International Health Issues 3
- ECON 30400 Economics of Health Care 3
- HLTH 30400 Economics of Health Care 3
- CMST 22600 Health Communication 3

At least 3 credits from the following:

- HLTH 22600 Health Communication 3
- HTH 22700 Stress: Its Nature and Management 3
- RLST 25200 Introduction to Mysticism 3
- MUMC 41000 Feldenkrais 1

Capstone experience

Select at least 3 credits from the following:

- xxxx xxxx Independent Study 3
- xxxx xxxx Fieldwork/Internship 3

3 credits to be selected from any of the above areas 6

Clinical Affiliations

A list of approved sites may be obtained through the Office of Experiential Learning. (http://www.ithaca.edu/oel/)

Total Credit Hours: 21

Nutrition Promotion Minor

The nutrition promotion minor is open to students majoring in all disciplines except health education, health education and physical education, or health sciences with a nutrition emphasis. Students in health education or health education and physical education may complete a concentration in nutrition promotion by fulfilling the requirements of this minor.

Theoretical framework

- HLTH 20500 Critical Health Issues 3
- HLTH 21300 Wellness: Multicultural Perspectives on Health and Healing 3

Nutrition core

- HLTH 20200 Human Nutrition 3
- HLTH 20100 Food and Society 3
HLTH 30100  Lifecycle Nutrition  3

or

HLTH 30500  Community Nutrition: Global Perspectives  3

Select 6 or 7 credits from the following nutrition promotion electives:

ANTH 25100  People, Plants, and Culture: Ethnobotany and Archaeobotany  4

BIOL 10600  Plants, People, and Food Production  3

HLTH 11000  War, Hunger, and Genocide: An International Health Perspective  3

HLTH 20300  Consumer Health  3

HLTH 24000  Health Promotion and the Older Adult  3

HLTH 25000  International Health Issues  3

HLTH 48700  Multicultural Issues in Health  3

PHED 23400  Fitness Applications for Health Promotion  4

SOCI 20800  Social Change  3

SOCI 31600  Women and Health  3

Total Credit Hours: 18

Department of Occupational Therapy

Diane Long, Associate Professor and Chair

The mission of the occupational therapy program is to prepare competent, skilled, and ethical professional occupational therapists, who will enable their clients to achieve productive and satisfying lives. The Department of Occupational Therapy offers two programs to meet this mission: a five-year combined bachelor’s and master’s program and a professional-entry master’s program. The curriculum of the five-year combined B.S./M.S. program in occupational therapy is designed to provide a strong foundation in the liberal arts, sciences, and humanities; to offer a comprehensive and rigorous professional education; and to develop attitudes and skills for lifelong learning and leadership. Academic instruction is complemented by clinical fieldwork experiences, including 32 weeks of full-time clinical affiliations. Students are provided with a strong general education and the opportunity to explore special interests in academic, clinical, and research arenas. The professional-entry master’s program is described in the Ithaca College Graduate Catalog.

The occupational therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA, 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220; telephone, 301-652-AOTA). (http://www.aota.org)

Graduates of the MS occupational therapy program are eligible to sit for the national certification examination for the occupational therapist, administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an occupational therapist, registered (OTR). In New York and most other states, a professional license is also required for practice. The NBCOT examination serves as the licensing exam in most states. Students are, however, required to apply separately for licensure and certification upon graduation. The BM/MS program is five years in length and leads to a master of science degree in occupational therapy. Students in this program receive a bachelor of science degree in occupational science at the completion of four years of study. They are not eligible for licensure or certification, however, until they complete the fifth (graduate) year. The department also offers a professional entry level master’s degree program for students who hold a bachelor’s degree in another area of study. The master’s degree programs are further described in the Ithaca College graduate catalog. Graduate Catalog

Undergraduate occupational science majors are required to take a comprehensive anatomy course by no later than the summer of their third (junior) year. They may take either a 5-credit Functional Human Anatomy course on the Ithaca College campus or a 6-credit Human Anatomy course at the Colgate Rochester Crozer Divinity School in Rochester, NY. Students wishing to take the Human Anatomy course must meet the requirements to take a graduate level course. The fifth (graduate) year of the combined bachelor’s/master’s degree program consists of two academic semesters and two summers, during which three full-time clinical fieldwork experiences are completed at sites throughout the country. Travel and housing arrangements for fieldwork are the responsibility of the student. Students typically enter the BM/MS program as freshmen, but transfer students may also be accepted as described in the "Policies and Procedures" of the School of Health Sciences and Human Performance.

Transfer into the School

Special Academic Status Policy for Students in the Combined B.S./M.S. Occupational Therapy Program

Students in occupational science and occupational therapy must obtain a grade of at least C- in all professional courses, including major courses and required courses outside the major.

Students majoring in occupational science must achieve a minimum GPA of 2.70 by the conclusion of the sophomore year in order to continue in the major. Progression through the remainder of the undergraduate program depends on maintenance of a 2.70 cumulative GPA and successful completion (C- or better) of all courses in each sequential semester. A student who fails to complete a required course with a grade of C- or better must repeat the course (see “Repeating a Course” in the “Credit and Grade Information” section). Since professional courses are offered once per year and are specifically sequenced,
course failure may result in the delay of fieldwork and graduation.

Repeating a course

Students in the combined B.S./M.S. wishing to progress into the master of science program in occupational therapy must have completed the B.S. program in occupational science with a cumulative GPA of 3.00 or better. Students must complete all requirements for the B.S. in occupational science and be approved by the faculty before taking clinical fieldwork courses. Students must earn satisfactory grades in all courses and fieldwork in order to be awarded the M.S. degree and to be eligible for certification and licensure. All level-II (graduate) fieldwork must be completed within 24 months of completion of the academic portion of the program.

Academic Warning and Dismissal

A student who fails to meet any of the minimum requirements stated above may be placed on academic warning, suspended, or dismissed from the program (see the discussion in the “Academic Affairs Information” section). Students who have been placed on academic warning or suspension will be expected to meet department standards for all subsequent semesters.

Warning, Suspension, and Dismissal

Undergraduate students in the combined B.S./M.S. program will be placed on academic warning if

1. they earn less than a C- in any course required for the major;
2. they fail to complete at least 12 credits in a semester;
3. they earn a cumulative GPA below a 2.7 in any semester during the freshman and sophomore years.

Undergraduate students will be dismissed from the program in the following academic or professional standards cases:

1. a student on academic warning who earns less than a C- in a required course in the subsequent semester or summer session;
2. a student who earns less than a C- in two or more courses in the same semester;
3. a student on departmental warning who fails to complete at least 12 credits in a semester with a C- or better;
4. an occupational science major who has less than a 2.70 cumulative GPA at the completion of the spring semester of the sophomore year or any subsequent semester;
5. a student who significantly violates the professional code of ethics published in the Occupational Therapy Department Student Manual

Graduate students in the combined B.S./M.S. program will be dismissed from the program in the following cases:

1. an occupational therapy (graduate) student in the combined B.S./M.S. program who earns more than 6 credits of C (C+, C, C-) or more than 3 credits of F;
2. a student who fails two clinical fieldwork experiences;
3. an occupational therapy (graduate) student who fails to complete level-II fieldwork/internship (OTMS 60000, OTMS 69000, and OTMS 69500 or OTMS 69600) within 24 months of completing all didactic coursework; or
4. a student who significantly violates the professional code of ethics published in the Occupational Therapy Department Student Manual.

A student who is subject to dismissal from the program may, under extenuating circumstances, be granted a suspension from the program in lieu of dismissal. For readmission to the program, the student may have to fulfill certain conditions, such as remedial coursework or clinical assignments prescribed by the faculty at the time of suspension. Readmission may be contingent on the availability of space in succeeding classes.

In an exceptional case, a student who has been dismissed may be readmitted to the program upon satisfaction of conditions determined by the department faculty. Dismissal from the occupational therapy program does not always mean dismissal from Ithaca College. In some cases, students may be eligible to pursue other Ithaca College majors. Specifics with regard to these policies and the appeals procedures are available in the Occupational Therapy Department Student Manual.

Housing and Travel for Clinical Fieldwork

Clinical fieldwork is an essential part of professional training. Students are assigned to Level I and Level II fieldwork sites locally, and at locations around the United States based on a lottery system. Assignment to specialty fieldwork or elective internship is done based on student interest and site availability. Students can expect that at least some of their placements will be at a distance from home. Students are responsible for making their own housing and travel arrangements for clinical fieldwork experiences. Information about housing options for affiliations is available from the fieldwork coordinator. For more information on student expenses for the final year, see the “Expenses” section.

Expenses

See OTBS courses (p. 507)

Occupational Science Major — B.S.

Note: This degree does not provide eligibility for certification or licensure in occupational therapy. It is
awarded after four years of study in the five-year B.S./M.S. program in occupational science/occupational therapy.

Major department requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTBS 20100</td>
<td>Human Development I</td>
<td>3</td>
</tr>
<tr>
<td>OTBS 20200</td>
<td>Human Development II</td>
<td>3</td>
</tr>
<tr>
<td>OTBS 30500</td>
<td>Applied Occupations I</td>
<td>0 to 3</td>
</tr>
<tr>
<td>OTBS 32000</td>
<td>Clinical Psychiatry in Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTBS 33500</td>
<td>Individual and Group Work in Health Sciences</td>
<td>0 to 4</td>
</tr>
<tr>
<td>OTBS 40000</td>
<td>Functional Human Anatomy</td>
<td>0 to 5</td>
</tr>
<tr>
<td>OTBS 41000</td>
<td>Neuroscience</td>
<td>0 to 3</td>
</tr>
<tr>
<td>OTBS 42000</td>
<td>Kinesiology</td>
<td>0 to 4</td>
</tr>
<tr>
<td>OTBS 42500</td>
<td>Clinical Management in Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTBS 43000</td>
<td>Applied Interventions in Occupational Therapy</td>
<td>0 to 3</td>
</tr>
<tr>
<td>OTBS 44000</td>
<td>Concepts in Adult Occupational Therapy</td>
<td>0 to 4</td>
</tr>
<tr>
<td>OTBS 44500</td>
<td>Concepts in Pediatric Occupational Therapy</td>
<td>0 to 4</td>
</tr>
<tr>
<td>OTBS 45000</td>
<td>Adult Evaluation and Intervention Processes in Occupational Therapy</td>
<td>0 to 3</td>
</tr>
<tr>
<td>OTBS 45500</td>
<td>Pediatric Evaluation and Intervention Processes in Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTBS 46000</td>
<td>Research Methods in Occupational Therapy</td>
<td>0 to 3</td>
</tr>
<tr>
<td>OTBS 46500</td>
<td>Occupational Therapy Research Seminar</td>
<td>1</td>
</tr>
<tr>
<td>OTBS 47100</td>
<td>Adult Clinical Conditions in Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTBS 47500</td>
<td>Pediatric Clinical Conditions in Occupational Therapy</td>
<td>2</td>
</tr>
</tbody>
</table>

Subtotal: 63

Required courses outside the department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 11900</td>
<td>Fundamentals of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 20600</td>
<td>Primary Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 10100</td>
<td>Chemistry and Your Body</td>
<td>3</td>
</tr>
<tr>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 23000</td>
<td>Bioethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 10100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 21200</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 10300</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 32100</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI xxxxx</td>
<td>Sociology elective</td>
<td>3</td>
</tr>
<tr>
<td>ANTH xxxxx</td>
<td>ANTH xxxxx Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 11100</td>
<td>Academic Writing II</td>
<td>3</td>
</tr>
<tr>
<td>WRTG xxxxx</td>
<td>Writing elective</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 20500</td>
<td>Critical Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>PTBS 31300</td>
<td>Clinical Physiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 43

Writing elective: above WRTG 11100

Electives outside of major department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 11900</td>
<td>Fundamentals of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 20600</td>
<td>Primary Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 10100</td>
<td>Chemistry and Your Body</td>
<td>3</td>
</tr>
<tr>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 23000</td>
<td>Bioethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 10100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 21200</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 10300</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 63

For more information, see Math Placement Exam (http://www.ithaca.edu/catalogs/ug1112/hs/mathematics/)

HSHP/aging studies electives

Select 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLPA 10901</td>
<td>American Sign Language I</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 15000</td>
<td>Introduction to Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>RLS 10100</td>
<td>Leisure and Society</td>
<td>3</td>
</tr>
<tr>
<td>RLS 10300</td>
<td>History and Philosophy of Leisure</td>
<td>3</td>
</tr>
<tr>
<td>RLS 10400</td>
<td>Cooperative Games Facilitation</td>
<td>1</td>
</tr>
<tr>
<td>RLS 10500</td>
<td>Fundamentals of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RLS 12500</td>
<td>Understanding Disability: Characteristics, Causes, Services</td>
<td>3</td>
</tr>
<tr>
<td>RLS 21500</td>
<td>Youth at Risk</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23800</td>
<td>Leisure and Aging</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 10500</td>
<td>Healthy Choices</td>
<td>1</td>
</tr>
<tr>
<td>HLTH 11300</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 12200</td>
<td>Emergency Health Care</td>
<td>1</td>
</tr>
<tr>
<td>HLTH 15200</td>
<td>Introduction to Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 20200</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 21300</td>
<td>Wellness: Multicultural Perspectives on Health and Healing</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 22700</td>
<td>Stress: Its Nature and Management</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 22800</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 22900</td>
<td>Disease and Lifestyle</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 24000</td>
<td>Health Promotion and the Older Adult</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 16200</td>
<td>Introduction to Fitness and Exercise Science</td>
<td>2</td>
</tr>
<tr>
<td>EXSS 32000</td>
<td>Neuromuscular Control</td>
<td>3</td>
</tr>
<tr>
<td>OTBS 21000</td>
<td>The Cancer Experience</td>
<td>3</td>
</tr>
<tr>
<td>HINT 31200</td>
<td>Health Care and Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 27
HINT 31300  Health Care and Culture: An International Field Experience  1

SPMM 29500  Social Aspects of Sport  3
SPMM 29700  Sport: Philosophical Perspectives  3
SPMM 29800  Gender Issues in Sport  3
PTBS 20200  Rehabilitation for Older Adults  1
GERO 10100  Introduction to Aging Studies  3
GERO 31900  Aging and Social Policy  3

Subtotal: 106

Summary

Major department requirements  63
Required courses outside department  43
Math requirement  0-4
HSHP/aging studies elective  3
Free electives (3 credits must be LA)  9-13

Total, B.S. in occupational science  122

Occupational Therapy Major — M.S.

Melinda Cozzolino, Associate Professor and Graduate Chair

The five-year combined bachelor’s/master’s degree curriculum is designed to provide depth and breadth for students’ professional development, liberal arts education, and analytical skills. Full-time clinical fieldwork placements totaling 32 weeks, are located throughout the country. The clinical fieldwork courses are usually scheduled for the summer preceding the graduate year (12 weeks) and in the late spring (12 weeks) and summer (8 weeks) following the graduate year. Coursework at the graduate level is organized into five time blocks: two for academic coursework and three for clinical experiences. Graduates of the MS program in Occupational Therapy are eligible to apply to take the National Board for Certification in Occupational Therapy (NBCOT) examination as required by the profession.

For information about the professional entry-level master’s degree program in occupational therapy, please see the graduate catalog listing.

Graduate Catalog

Graduation Requirements

To be considered for graduation in the combined B.S./M.S. program in occupational therapy, students must complete the following:

- the B.S. degree program in occupational science from Ithaca College;
- major department requirements (listed below);
- 6 credits of clinical electives (3 credits of Clinical Elective I OTMS 64xxx in the fall semester and 3 credits of Clinical Elective II OTMS 68xxx in the spring semester); specific courses offered will be determined by student consensus.
- a research thesis (6 credits: OTMS 67200 and OTMS 67300, Thesis I and II) or a group research project (6 credits: OTMS 67100 Group Research I and OTMS 67120 Group Research II). A thesis proposal approved by the faculty is required for students who enroll in the thesis option.

Major department requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTMS 62000</td>
<td>Advanced OT Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 62600</td>
<td>Professional Practice in the Community</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 65000</td>
<td>Applied Pediatric Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>OTMS 65100</td>
<td>Applied Adult Neuroscience</td>
<td>0 or 3</td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>OTMS 65500</td>
<td>Technological Interventions in Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 66500</td>
<td>Geriatric Occupational Therapy</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Clinical elective I courses

Select one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>OTMS 64100</td>
<td>Adaptation and Environmental Modification</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 64300</td>
<td>Cognitive Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 64500</td>
<td>Vocational Readiness</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 64600</td>
<td>Play and Leisure</td>
<td>3</td>
</tr>
</tbody>
</table>

Clinical elective II courses

Select one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTMS 68100</td>
<td>Advanced Concepts in Physical Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 68200</td>
<td>Advanced Concepts in Psychosocial Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 68300</td>
<td>Advanced Concepts in Geriatric Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 68400</td>
<td>School-Based Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 68500</td>
<td>Hand Therapy</td>
<td>3</td>
</tr>
<tr>
<td>OTMS 68800</td>
<td>Occupational Therapy in Early Intervention</td>
<td>3</td>
</tr>
</tbody>
</table>

Clinical fieldwork

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTMS 60000</td>
<td>Clinical Fieldwork II - Children and Adolescents</td>
<td>6</td>
</tr>
<tr>
<td>OTMS 69000</td>
<td>Clinical Fieldwork II - Adult/Geriatric</td>
<td>6</td>
</tr>
<tr>
<td>OTMS 69500</td>
<td>Clinical Fieldwork II - Elective Specialty</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>OTMS 69600</td>
<td>Elective Internship</td>
<td>4</td>
</tr>
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</table>
**Occupational Science Minor**

Occupations are the activities we do every day that bring meaning to our lives. A minor in occupational science offers students the opportunity to understand the influence of human occupation on development, health, and wellness for the individual and for society. This minor course of study will enhance understanding of how elements of personal capabilities, in conjunction with the physical and sociocultural environment, affect human occupation. This knowledge has the potential to foster the intellectual growth of the student and contribute to various professional and academic fields (education, speech and language pathology, recreation and leisure studies, physical therapy, psychology, aging studies, sociology, biology, business, athletic training, exercise science, and preprofessional studies), and ultimately to help contribute to the health, equity, and prosperity of communities.

**Curriculum**

The minor in occupational science requires a minimum of 18 credits, including 15 required credits and 3 elective credits.

The following courses are required courses for the minor:

- OTBS 10600 Introduction to Occupational Science 3
- OTBS 20600 The Culture of Disability 3
- OTBS 20100 Human Development I 3
- or
- PSYC 20500 Life-Span Development: A Cross-Cultural Perspective 3
- or
- PSYC 20100 Proseminar in Development 3
- OTBS 20200 Human Development II 3
- OTBS 30600 Occupational Apartheid 3

Select 3 credits from the following electives:

- OTBS 21000 The Cancer Experience 3
- RLS 10100 Leisure and Society 3
- SOCI Sociology of Aging 3

**Department of Physical Therapy**

**Hélène Larin, Associate Professor and Chair**

The mission of the physical therapy program is to prepare skilled physical therapist practitioners who render independent decisions and implement evidence-based, ethical, and culturally competent care to maximize the function, health, and wellness of their patients, clients, and society. Through expert faculty, modern resources, a contemporary curriculum, and lifelong learning, our graduates are competent to meet the challenges of a rapidly changing health care environment and are prepared to become clinical educators, scholars, managers, and consultants in a variety of settings.

The Department of Physical Therapy offers a six-year, dual-degree program in clinical health studies/physical therapy. Students receive a B.S. degree in clinical health studies after four years of study and a doctorate degree in physical therapy after completion of the entire program. Students must complete the D.P.T. degree to be eligible for physical therapy licensure. The first five years of the program are spent on the Ithaca campus. The final year is conducted at the Rochester, New York, campus of Ithaca College, located at the Colgate Rochester Crozer Divinity School. The program maintains an affiliation with the University of Rochester School of Medicine and Dentistry and Strong Memorial Hospital. Students spend the summer semester following the junior year on the Rochester campus in a 10-week concentrated study of human anatomy. Students gain practical experience through full-time clinical education courses, totaling 36 weeks, at sites throughout the United States. The program is accredited by the Commission on Accreditation in Physical Therapy Education and is approved by the New York State Education Department.

**Special Academic Status Policy for Clinical Health Studies and Doctorate of Physical Therapy Majors**


See PTBS courses (p. 577)

**Clinical Health Studies Major — B.S.**

**Note:** The B.S. in clinical health studies does not provide eligibility for licensure to practice physical therapy. This
degree is awarded after four years of study in the six-year combined B.S./D.P.T. program in clinical health studies/physical therapy.

Major department requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTBS 10200</td>
<td>Introduction to the Profession of Physical Therapy</td>
<td>0.5</td>
</tr>
<tr>
<td>PTBS 20100</td>
<td>Introduction to the Practice of Physical Therapy</td>
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</tr>
<tr>
<td>PTBS 31300</td>
<td>Clinical Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PTBS 51002</td>
<td>Human Anatomy</td>
<td>6</td>
</tr>
<tr>
<td>PTBS 51103</td>
<td>Pathology for Physical Therapists</td>
<td>3</td>
</tr>
<tr>
<td>PTBS 52001</td>
<td>Fundamentals of Patient/Client Care</td>
<td>2</td>
</tr>
<tr>
<td>PTBS 52102</td>
<td>Musculoskeletal Examination and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>PTBS 52203</td>
<td>Soft Tissue Palpation and Examination</td>
<td>2</td>
</tr>
<tr>
<td>PTBS 52304</td>
<td>Peripheral Joint Palpation and Examination</td>
<td>1.5</td>
</tr>
<tr>
<td>PTBS 52405</td>
<td>Therapeutic Exercise</td>
<td>3</td>
</tr>
<tr>
<td>PTBS 53101</td>
<td>Electrotherapeutic Modalities and Physical Agents</td>
<td>4</td>
</tr>
<tr>
<td>PTBS 53702</td>
<td>Applied Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>PTBS 54001</td>
<td>Profession of Physical Therapy</td>
<td>0.5</td>
</tr>
<tr>
<td>PTBS 54102</td>
<td>Preclinical Conference I</td>
<td></td>
</tr>
<tr>
<td>PTBS 54203</td>
<td>Professional Development I</td>
<td>1</td>
</tr>
<tr>
<td>PTBS 55501</td>
<td>Teaching and Learning in the Clinical Setting</td>
<td>1</td>
</tr>
<tr>
<td>PTBS 55602</td>
<td>Introduction to Health Care Systems</td>
<td>1</td>
</tr>
<tr>
<td>PTBS 56701</td>
<td>Research I: Evidence Based Practice I</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 38

Required courses outside major department

<table>
<thead>
<tr>
<th>(in the School of Humanities and Sciences)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 14500</td>
</tr>
<tr>
<td>or</td>
</tr>
<tr>
<td>or</td>
</tr>
<tr>
<td>or</td>
</tr>
<tr>
<td>or</td>
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<tr>
<td>or</td>
</tr>
<tr>
<td>or</td>
</tr>
<tr>
<td>or</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 20600</td>
<td>Primary Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 12100</td>
<td>Principles of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 11200</td>
<td>Organic Chemistry and Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 11400</td>
<td>Chemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 10100</td>
<td>Introduction to Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 10200</td>
<td>Introduction to Physics II</td>
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</tr>
</tbody>
</table>

Subtotal: 30-31

Electives outside major department

General education requirements - (see School of Humanities and Sciences)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing effectiveness</td>
<td>0-3</td>
</tr>
<tr>
<td>1 Self and society</td>
<td>12</td>
</tr>
<tr>
<td>2B Mathematics and formal reasoning</td>
<td>3</td>
</tr>
<tr>
<td>3A Language</td>
<td>6</td>
</tr>
<tr>
<td>3B Visual and performing arts</td>
<td>6</td>
</tr>
</tbody>
</table>

Subtotal: 27-30

General education requirements must be completed by the end of the fall semester senior year. There is no limitation on the number of advanced placement (AP), international baccalaureate (IB), or transfer credits that may be applied toward appropriate courses to meet the general education requirement. Students must either achieve a score on the math placement exam placing them in group 1, 2, or 3 or, if placed in group 4, earn a grade of C- or better in MATH 10000 or MATH 18000. Students must include in their coursework at least 6 credits with a global designation and 6 credits with a historical designation. These credits may be fulfilled in part by courses taken to fulfill general education requirements or as unrestricted open electives. Students may obtain sample course sequences for meeting these requirements from the department office.

Statistics

Students are required to complete one of the following statistics courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 14500</td>
<td>Statistics for the Health, Life and Social Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>MATH 15500</td>
<td>Basic Statistical Reasoning*</td>
</tr>
<tr>
<td>or</td>
<td>MATH 21600</td>
<td>Introduction to Mathematical Statistics*</td>
</tr>
<tr>
<td>or</td>
<td>PSYC 20700</td>
<td>Statistics in Psychology*</td>
</tr>
<tr>
<td>or</td>
<td>BIOL 11900</td>
<td>Fundamentals of Biology and</td>
</tr>
<tr>
<td>or</td>
<td>BIOL 12000</td>
<td>Fundamentals of Biology</td>
</tr>
<tr>
<td>or</td>
<td>BIOL 12100</td>
<td>Principles of Biology I, Cell and Molecular and</td>
</tr>
<tr>
<td>or</td>
<td>BIOL 12200</td>
<td>Principles of Biology II, Ecology and Evolution</td>
</tr>
</tbody>
</table>

*These courses can be used to fulfill the general education 2b requirement.

Subtotal: 95-99

Minors
Students are required to complete either a minor or the honors program by the end of the spring semester of their senior year. They are encouraged to declare a minor early as careful scheduling is necessary. The minor can be in any department at Ithaca College. Generally, minors require 18-21 credits. Please review this catalog for a listing of available minors.

**Summary**

Department requirements

- Required courses outside major department: 38
- Electives outside major department: 30-31
- Minor/Honors credits: 18-21
- Free electives: 4-10

**Total, B.S. in clinical health studies**: 120

**Housing and Transportation Arrangements for Clinical Education**

During each full-time clinical education, students are responsible for making housing arrangements and arrangements for transportation to and from the clinical facilities. Information on securing housing during clinical education placements is available from the Office of Experiential Learning.

Office of Experiential Learning

**Doctorate in Physical Therapy**

For students who begin their program under the 2012-13 undergraduate catalog, the major department requirements for the doctorate in physical therapy are listed below. Note that the summers preceding the senior year and the final year of the program take place on the Rochester, New York, campus.

**Graduation Requirements**

To be considered for the doctorate in physical therapy, all students must complete the B.S. degree program in clinical health studies at Ithaca College and the required courses listed below.

**Major department requirements**

- PDPT 52506  Spine Examination and Rehabilitation  3
- PDPT 54300  Preclinical Conference II
- PDPT 54400  Professional Development II  .5
- PDPT 55700  Clinical Administration I  3
- PDPT 55900  Psychosocial Aspects of Patient Care  2
- PDPT 56800  Research II: Evidence-Based Practice in Physical Therapy  2
- PDPT 57000  Clinical Neuroanatomy  3
- PDPT 57100  Clinical Neurophysiology  3
- PDPT 57200  Motor Development Across the Lifespan  3
- PDPT 59000  Clinical Education I  4
- PDPT 59102  Clinical Education II  4
- PDPT 59900  Selected Topics in Physical Therapy  1 to
- PDPT 59900-59925  Selected Topics
- PDPT 61000  Clinical Reasoning and Differential Diagnosis in Physical Therapy  2
- PDPT 61100  Applications of Evidence-Based Practice in Physical Therapy  2
- PDPT 61200  Case-Study Seminar  2
- PDPT 61400  Applications of Wellness and Prevention in Physical Therapy  3
- PDPT 61500  Managerial Applications in Physical Therapy Practice  2
- PDPT 62607  Clinical Orthopedics  2
- PDPT 62900  Independent Clinical Study  1 to
- PDPT 63800  Pathokinesiology  3
- PDPT 63900  Orthotics/Prosthetics  2
- PDPT 64600  Professional Development III  1
- PDPT 66900  Research III: Research Seminar  3
- PDPT 67500  Neurological Rehabilitation II  3
- PDPT 67600  Pediatric Rehabilitation  3
- PDPT 68000  Differential Diagnosis in Physical Therapy  1
- PDPT 68100  Cardiac Testing and Management  2
- PDPT 68200  Clinical Medicine and Surgery I  2
- PDPT 68400  Case Study Seminar  2
- PDPT 68500  Wellness and Prevention  1
- PDPT 68700  Pre-Clinical Conference IV
- PDPT 69000  Selected Topics in Physical Therapy  0 to
- PDPT 69200  Clinical Education III  4
- PDPT 69300  Clinical Education IV  3
- PDPT 69500  Clinical Education IV/V  6
- PDPT 69900  Independent Study  1 to
- PDPT 69900-69925  Selected Topics

Subtotal: 75.5

**Clinical Education**

The Department of Physical Therapy has established contracts with more than 1,100 clinical education sites. The department continues to explore new clinical sites to assure that students are offered the best clinical education. A current listing of sites is available in the Office of Experiential Learning. The directors of clinical education determine the sites to be used and the placement of the
students for each of their clinical education courses. Assignments to clinical education sites are based on several factors, such as program requirements for a variety of experiences, faculty advisement, student performance, and student preference.

Department of Recreation and Leisure Studies

Janice Elich Monroe, Associate Professor and Chair

The Department of Recreation and Leisure Studies offers three majors: outdoor adventure leadership, recreation management, and therapeutic recreation. These majors allow students to specialize in recreation program areas and settings of particular interest and lead to a broad range of careers in the recreation, park, and leisure professions. The program is accredited by the Council on Accreditation sponsored by the National Recreation and Park Association (NRPA). Two minors are also available: one in recreation and one in outdoor pursuits. Students are also able to double major in therapeutic recreation and outdoor adventure leadership.

See RLS courses (p. 583)

Outdoor Adventure Leadership Major — B.S.

The mission of the outdoor adventure leadership (OAL) major is to develop visionary leaders who are prepared to change lives through effective leadership, whether in a wilderness context or a context where these transferable skills are implemented.

The OAL program delivers an innovative, intensive, and experiential curriculum that promotes the development of strong leaders capable of effectively facilitating groups through high risk environments. The program is grounded in the theory and principles of adventure and leadership strategies and is rich with opportunity for application. Embedded within a liberal arts educational community, the program embraces the many opportunities to enrich each student’s experience through interdisciplinary study and fosters in each student qualities of responsibility and independent thought, respect for others, the spirit of collaboration, awareness of our environmental and cultural connections and a commitment to lifelong service and learning.

Special Academic Status Policy for Outdoor Adventure Leadership Majors

1. A student in this major must receive a semester grade of at least C- in all required RLS-prefix courses.

2. A student who fails to complete a required RLS-prefix course with a grade of at least C- must repeat the course. The Ithaca College policies on repeating courses must be followed.

3. A student who receives less than a C- after repeating a required RLS-prefix course will be subject to dismissal from the program. A student dismissed from the program may be eligible to enter other Ithaca College degree programs.

4. A student dismissed from a professional practicum is subject to receiving a failing grade and, in that case, must complete a prescribed program of remediation prior to a second placement. The student must register again for the practicum. A student dismissed from a professional practicum a second time is subject to dismissal from the program.

5. In exceptional cases, a student may be readmitted to the program upon satisfying conditions determined by the faculty.

At least 60 credits of liberal arts are required to graduate with a B.S. degree. All candidates for the B.S. degree in outdoor adventure leadership must complete a minimum of 120 credits in the components described below.

Liberal arts requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL xxxxx</td>
<td>Biology elective</td>
<td>3-4</td>
</tr>
<tr>
<td>or</td>
<td>ENVS xxxxx</td>
<td>Environmental Studies elective</td>
</tr>
<tr>
<td>HIST xxxxx</td>
<td>History elective</td>
<td>3</td>
</tr>
<tr>
<td>MATH xxxxx</td>
<td>Mathematics elective</td>
<td>3-4</td>
</tr>
<tr>
<td>CMST xxxx</td>
<td>Oral communication elective (CMST 11000, CMST 11500, CMST 14000, or CMST 14900)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 10400</td>
<td>Introduction to Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI xxxx</td>
<td>Sociology elective</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>WRTG 11100</td>
<td>Academic Writing II</td>
</tr>
<tr>
<td>WRTG xxxxx</td>
<td>Applied writing elective</td>
<td>3</td>
</tr>
<tr>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>HLTH 13901</td>
<td>Technology for the Professional Edge</td>
</tr>
<tr>
<td>Cultural diversity elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 30-32

Cultural diversity elective

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 12900</td>
<td>Introduction to Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>POLT 14100</td>
<td>Power: Race, Sex, and Class</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 11600</td>
<td>Introduction to Multicultural Studies</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>SOCI 13000</td>
<td>Youth and Youths Cultures</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 20700</td>
<td>Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 22600</td>
<td>Sociology of Hispanic Americans</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 30300</td>
<td>Global Race and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 32500</td>
<td>Race, Class, Gender and Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 10400</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 11000</td>
<td>War, Hunger, and Genocide: An International Health Perspective</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 25000</td>
<td>International Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>HINT 31200</td>
<td>Health Care and Culture</td>
<td>3</td>
</tr>
<tr>
<td>HINT 31300</td>
<td>Health Care and Culture: An International Field Experience</td>
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**Subtotal:** 3

**Recreation and leisure studies interdisciplinary core**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 10300</td>
<td>History and Philosophy of Leisure</td>
<td>3</td>
</tr>
<tr>
<td>RLS 10500</td>
<td>Fundamentals of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RLS 12500</td>
<td>Understanding Disability: Characteristics, Causes, Services</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23200</td>
<td>Program Planning</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23500</td>
<td>Design and Operation of Areas and Facilities</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33000</td>
<td>Administration of Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33200</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>RLS 34000</td>
<td>Inclusive Community Leisure Services</td>
<td>3</td>
</tr>
<tr>
<td>RLS 45300</td>
<td>Seminar: Professional Development</td>
<td>3</td>
</tr>
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</table>

**Subtotal:** 27

**Outdoor adventure leadership core**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 15100</td>
<td>Foundations of Outdoor Adventure Pursuits</td>
<td>3</td>
</tr>
<tr>
<td>RLS 21600</td>
<td>Outdoor Adventure Skills</td>
<td>3</td>
</tr>
<tr>
<td>RLS 21800</td>
<td>Wilderness First Responder</td>
<td>3</td>
</tr>
<tr>
<td>RLS 22000</td>
<td>The Wilderness Experience</td>
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</tr>
<tr>
<td>RLS 22300</td>
<td>Wilderness Literacy</td>
<td>2</td>
</tr>
<tr>
<td>RLS 35400</td>
<td>Organization and Supervision of Outdoor Pursuits</td>
<td>2</td>
</tr>
<tr>
<td>RLS 37000</td>
<td>Recreational Land Use Ethics</td>
<td>3</td>
</tr>
<tr>
<td>RLS 42100</td>
<td>Wilderness Expedition Leadership</td>
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<tr>
<td>RLS 43000</td>
<td>Adventure Education</td>
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</tr>
</tbody>
</table>

**Subtotal:** 27

**Outdoor adventure leadership practicum**

A minimum of 6 credits must be earned in either RLS 34900 or RLS 44100, both of which can be taken for variable credit. The total number of practicum credits earned for the degree may not exceed 15, including those earned in fieldwork courses outside the major. Practicum credits beyond the 12 required may be counted as free electives.

Internships must be approved by the department chair. To be eligible for an internship (RLS 44100), an outdoor adventure leadership major must meet the following prerequisites:

- GPA of at least 2.50 in Department of Recreation and Leisure Studies courses
- minimum average of 3.00 in RLS 24800 and RLS 34800, Service Learning I and II
- cumulative GPA of at least 2.00 and at least 24 credits earned in the last 12 months
- completion of at least 24 credits of required recreation (RLS xxxxx) courses and at least 6 credits of recreation electives (RLS xxxxx)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 24800</td>
<td>Service Learning I: Programming</td>
<td>3</td>
</tr>
<tr>
<td>RLS 34800</td>
<td>Service Learning II: Administration</td>
<td>3</td>
</tr>
<tr>
<td>RLS 34900</td>
<td>Advanced Fieldwork</td>
<td>2 to 6</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RLS 44100</td>
<td>Internship in Recreation and Leisure Studies</td>
<td>6 to 9</td>
</tr>
</tbody>
</table>

**Subtotal:** 12-15

**Liberal arts electives**

| Total | 1-3 |

**Free electives**

| Total | 18-21 |

**Summary**

<table>
<thead>
<tr>
<th>General requirements</th>
<th>30-32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recreation and leisure studies interdisciplinary core</td>
<td>27</td>
</tr>
<tr>
<td>Outdoor adventure leadership core</td>
<td>27</td>
</tr>
<tr>
<td>Professional practicum</td>
<td>12-15</td>
</tr>
<tr>
<td>Liberal arts electives</td>
<td>1-3</td>
</tr>
<tr>
<td>Free electives</td>
<td>18-21</td>
</tr>
</tbody>
</table>

| Total, B.S. in outdoor adventure leadership | 120 |

**Recreation Management Major — B.S.**

Leisure professionals are people who value leisure as a meaningful pursuit throughout the life span and who work with others to promote personal growth, fitness, wellness,
creativity, healthy leisure choices, and overall quality of life through recreation. Recreation management majors gain knowledge and skills in leadership, recreation program planning, group dynamics, facilitation techniques, cultural competence, research methods, supervision, and administration through a variety of in-class and experiential learning activities. Students may specialize in recreation service delivery areas, such as public parks and recreation, youth services, leadership development, commercial recreation, tourism, or hospitality. Students may also choose to combine the major with a minor in, for example, psychology, business, health, or nutrition promotion.

Careers in recreation management are growing, and opportunities exist in a variety of settings. Leisure professionals are employed in governmental agencies such as community parks and recreation departments, state and national parks, military recreation, and nonprofit agencies such as the YMCA, Boy and Girl Scouts, and Boys and Girls Clubs. Graduates may also pursue careers in recreation business enterprise in travel and tourism, hospitality, resorts, theme parks, fitness centers, convention centers, events planning, cruise ships, and visitor bureaus. Recreation management graduates are also prepared for careers in the private sector with leisure service agencies such as country clubs, campus recreation, and employee recreation. The graduate of the recreation management program is eligible to apply for certification as a certified park and recreation professional through the National Recreation and Park Association.

Special Academic Status Policy for Recreation Management Majors

1. A student in this major must receive a semester grade of at least C- in all required RLS prefix courses.

2. A student who fails to complete a required RLS-prefix course with a grade of at least C- must repeat the course. The Ithaca College policies on repeating courses must be followed. See Credit and Grade Information.

3. A student who receives less than a C- after repeating a required RLS course will be subject to dismissal from the program. A student dismissed from the program may be eligible to enter other Ithaca College degree programs.

4. A student dismissed from a professional practicum is subject to receiving a failing grade and, in that case, must complete a prescribed program of remediation prior to a second placement. The student must register again for the practicum. A student dismissed from a professional practicum a second time is subject to dismissal from the program.

5. In exceptional cases, a student may be readmitted to the program upon satisfying conditions determined by the faculty.

At least 60 credits of liberal arts are required to graduate with a B.S. degree. All candidates for the B.S. degree in recreation management must complete a minimum of 120 credits in the components described below.

Liberal arts requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL xxxxx</td>
<td>Biology elective</td>
<td>3-4</td>
</tr>
<tr>
<td>or</td>
<td>EXSS 12000 Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>HIST xxxxx</td>
<td>History elective</td>
<td>3</td>
</tr>
<tr>
<td>MATH xxxxx</td>
<td>Mathematics elective</td>
<td>3-4</td>
</tr>
<tr>
<td>CMST xxxxx</td>
<td>Oral communication elective (CMST 11000, CMST 11500, CMST 14000, or CMST 14900)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 10400</td>
<td>Introduction to Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI xxxxx</td>
<td>Sociology elective</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>WRTG 11100 Academic Writing II</td>
<td>3</td>
</tr>
<tr>
<td>WRTG xxxx</td>
<td>Applied writing elective (not WRTG 10100)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 24-26

Cultural diversity elective

Select 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 12900</td>
<td>Introduction to Global Studies</td>
</tr>
<tr>
<td>POLT 14100</td>
<td>Power: Race, Sex, and Class</td>
</tr>
<tr>
<td>SOCI 11600</td>
<td>Introduction to Multicultural Studies</td>
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<tr>
<td>SOCI 13000</td>
<td>Youth and Youth Cultures</td>
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<tr>
<td>SOCI 20700</td>
<td>Race and Ethnicity</td>
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<td>SOCI 22600</td>
<td>Sociology of Hispanic Americans</td>
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<td>SOCI 30300</td>
<td>Global Race and Ethnic Relations</td>
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<td>SOCI 32500</td>
<td>Race, Class, Gender and Sexuality</td>
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<tr>
<td>ANTH 10400</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>HINT 31200</td>
<td>Health Care and Culture</td>
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<tr>
<td>and</td>
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Subtotal: 3

Fine arts elective

<table>
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Subtotal: 30-32

Recreation and leisure studies interdisciplinary core

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>RLS 10300</td>
<td>History and Philosophy of Leisure</td>
</tr>
<tr>
<td>RLS 10500</td>
<td>Fundamentals of Leadership</td>
</tr>
<tr>
<td>RLS 12500</td>
<td>Understanding Disability: Characteristics, Causes, Services</td>
</tr>
<tr>
<td>COMP 11000</td>
<td>Computers and Information</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
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</tr>
<tr>
<td>HLTH 13901</td>
<td>Technology for the Professional Edge</td>
</tr>
<tr>
<td>RLS 23200</td>
<td>Program Planning</td>
</tr>
<tr>
<td>RLS 23500</td>
<td>Design and Operation of Areas and Facilities</td>
</tr>
<tr>
<td>RLS 33000</td>
<td>Administration of Recreation</td>
</tr>
<tr>
<td>RLS 33200</td>
<td>Research Methods</td>
</tr>
<tr>
<td>RLS 34000</td>
<td>Inclusive Community Leisure Services</td>
</tr>
<tr>
<td>RLS 45300</td>
<td>Seminar: Professional Development</td>
</tr>
<tr>
<td>HLTH 12200</td>
<td>Emergency Health Care</td>
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<td><strong>31</strong></td>
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Recreation management core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBUS 20300</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33100</td>
<td>Supervision of Recreation Personnel</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33600</td>
<td>Commercial Recreation</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
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</tr>
</tbody>
</table>

Recreation management electives

A minimum of 6 credits is required. Three credits must have a liberal arts (LA) designation. The courses listed below meet the LA requirement. The remaining 3 credits may be selected from any RLS-prefix courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 15100</td>
<td>Foundations of Outdoor Adventure Pursuits</td>
<td>3</td>
</tr>
<tr>
<td>RLS 21500</td>
<td>Youth at Risk</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23800</td>
<td>Leisure and Aging</td>
<td>3</td>
</tr>
<tr>
<td>RLS 27700</td>
<td>Ecotourism and Natural Resource Management</td>
<td>1 to 3</td>
</tr>
<tr>
<td>RLS 33400</td>
<td>Leisure Education</td>
<td>3</td>
</tr>
<tr>
<td>RLS 36600</td>
<td>Social and Cultural Aspects of Play</td>
<td>3</td>
</tr>
<tr>
<td>RLS 45000</td>
<td>Independent Study: Recreation and Leisure Studies</td>
<td>1 to 3</td>
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<td><strong>Subtotal:</strong></td>
<td><strong>6</strong></td>
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Recreation management practicum

A minimum of 6 credits must be earned in either RLS 34900 or RLS 44100, both of which can be taken for variable credit. The total number of practicum credits earned for the degree may not exceed 15, including those earned in service learning courses outside the major. Practicum credits beyond the 12 required may be counted as free electives.

Internships must be approved by the department chair. To be eligible for an internship (RLS 44100), a recreation management major must meet the following prerequisites:

- GPA of at least 2.50 in Department of Recreation and Leisure Studies courses
- minimum average of 3.00 in RLS 24800 and RLS 34800, Service Learning I and II

- cumulative GPA of at least 2.00 and at least 24 credits earned in the last 12 months
- completion of at least 24 credits of required recreation courses (RLS xxxxx) and at least 6 credits of recreation electives (RLS xxxxx)
  - RLS 24800  Service Learning I: Programming  3
  - RLS 34800  Service Learning II: Administration  3
  - RLS 34900  Advanced Fieldwork  2 to 6
  - RLS 44100  Internship in Recreation and Leisure Studies  6 to 9

| **Subtotal:** | **12-15**                                                 |         |

Liberal arts electives

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liberal arts electives</td>
<td>10-12</td>
</tr>
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Free electives

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free electives</td>
<td>17-20</td>
</tr>
</tbody>
</table>

| **Subtotal:** | **115-122**                             |         |

Summary

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tr>
<td>General requirements</td>
<td>30-32</td>
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<tr>
<td>Recreation and leisure studies interdisciplinary core</td>
<td>31</td>
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<tr>
<td>Recreation management core</td>
<td>9</td>
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<tr>
<td>Recreation management electives</td>
<td>6</td>
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<tr>
<td>Professional practicum</td>
<td>12-15</td>
</tr>
<tr>
<td>Liberal arts electives</td>
<td>10-12</td>
</tr>
<tr>
<td>Free electives</td>
<td>17-20</td>
</tr>
</tbody>
</table>

**Total, B.S. in recreation management 120**

Therapeutic Recreation Major — B.S.

Therapeutic recreation offers career opportunities for those who are interested in working with individuals with disabilities and other health conditions by using recreation as an intervention to promote functional independence and quality of life. Therapeutic recreation specialists assess physical, social, emotional, behavioral, cognitive, and spiritual aspects of the individual to determine his or her interests, abilities, strengths, and aspirations. With this information, they develop individualized treatment plans and intervention strategies to address functional limitations and support the individual’s goals toward health and wellness.
Therapeutic recreation specialists utilize a wide variety of recreational activities to rehabilitate, maintain, or enhance functional abilities and fulfill an individual’s goals. These activities — arts, crafts, music, dance, drama, horticulture, adventure programs, interaction with pets, sports, games, and community-based outings, to name a few — help individuals build self-esteem, interact effectively with others, develop physical and cognitive abilities, and learn new skills.

Career placements in therapeutic recreation are on the rise, and opportunities are best for individuals with a bachelor’s degree. Therapeutic recreation specialists work in a variety of settings. In clinical settings, such as hospitals, mental health facilities, and rehabilitation centers, they treat or rehabilitate individuals with specific medical problems in cooperation with an interdisciplinary team of physicians, social workers, occupational therapists, and physical therapists, among others. In nursing homes and residential facilities, therapeutic recreation specialists utilize activities to enhance general health and quality of life. In the community, therapeutic recreation specialists work with recreation department agencies, special education programs, correctional facilities, youth-at-risk agencies, and programs for older adults. In these settings, therapeutic recreation specialists develop interventions that promote self-efficacy, community inclusion, fitness, healthy leisure behaviors, and overall quality of life.

Graduates of the therapeutic recreation program are eligible to apply for certification through the National Council for Therapeutic Recreation Certification. Since 2006, 89 percent of the graduates from the therapeutic recreation major have passed the certification exam, compared to a national average of 66 percent.

Special Academic Status Policy for Therapeutic Recreation Majors

1. A student in the therapeutic recreation major must receive a semester grade of at least C- in all required RLS-prefix courses.

2. A student who fails to complete a required RLS-prefix course with at least a C- grade must repeat the course. The Ithaca College policies on repeating courses must be followed. Repeating a course (p. 285)

3. A student who receives less than a C- after repeating a required RLS-prefix course will be subject to dismissal from the program. A student dismissed from the program may be eligible to enter other Ithaca College degree programs.

4. A student dismissed from a professional practicum a second time is subject to dismissal from the program.

5. In an exceptional case, a student may be readmitted to this program upon satisfying conditions determined by the faculty.

At least 60 credits of liberal arts courses are required to graduate with a B.S. degree. All candidates for the B.S. degree in therapeutic recreation must complete a minimum of 120 credits in the various components described below.

Liberal arts requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST xxxx</td>
<td>History elective</td>
</tr>
<tr>
<td>MATH xxxx</td>
<td>Mathematics elective</td>
</tr>
<tr>
<td>PHIL 23000</td>
<td>Bioethics</td>
</tr>
<tr>
<td>CMST xxxx</td>
<td>Oral communication elective (CMST 11000, CMST 11500, CMST 14000, or CMST 14900)</td>
</tr>
<tr>
<td>PSYC 10400</td>
<td>Introduction to Developmental Psychology</td>
</tr>
<tr>
<td>PSYC 32100</td>
<td>Abnormal Psychology</td>
</tr>
<tr>
<td>SOCI xxxx</td>
<td>Sociology elective</td>
</tr>
<tr>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>WRTG 11100</td>
<td>Academic Writing II</td>
</tr>
<tr>
<td>WRTG xxxx</td>
<td>Elective</td>
</tr>
</tbody>
</table>

**Subtotal: 27-28**

WRTG 11100: by placement

WRTG xxxx: not WRTG 10100

Cultural diversity elective

Select at least 3 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 12900</td>
<td>Introduction to Global Studies</td>
</tr>
<tr>
<td>POLT 14100</td>
<td>Power: Race, Sex, and Class</td>
</tr>
<tr>
<td>SOCI 11600</td>
<td>Introduction to Multicultural Studies</td>
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<td>SOCI 13000</td>
<td>Youth and Youth Cultures</td>
</tr>
<tr>
<td>SOCI 20700</td>
<td>Race and Ethnicity</td>
</tr>
<tr>
<td>SOCI 22600</td>
<td>Sociology of Hispanic Americans</td>
</tr>
<tr>
<td>SOCI 30300</td>
<td>Global Race and Ethnic Relations</td>
</tr>
<tr>
<td>SOCI 32500</td>
<td>Race, Class, Gender and Sexuality</td>
</tr>
<tr>
<td>ANTH 10400</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>HINT 31200</td>
<td>Health Care and Culture and</td>
</tr>
<tr>
<td>HINT 31300</td>
<td>Health Care and Culture: An International Field Experience</td>
</tr>
</tbody>
</table>

**Subtotal: 30-31**

Required health science courses

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HLTH 12200</td>
<td>Emergency Health Care</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------------------------------------</td>
</tr>
<tr>
<td>EXSS 12000</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>EXSS 12100</td>
<td>Anatomy and Physiology II</td>
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**Recreation and leisure studies interdisciplinary core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 10300</td>
<td>History and Philosophy of Leisure</td>
<td>3</td>
</tr>
<tr>
<td>RLS 10500</td>
<td>Fundamentals of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RLS 12500</td>
<td>Understanding Disability: Characteristics, Causes, Services</td>
<td>3</td>
</tr>
<tr>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 13901</td>
<td>Technology for the Professional Edge</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23200</td>
<td>Program Planning</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23500</td>
<td>Design and Operation of Areas and Facilities</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33000</td>
<td>Administration of Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33200</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>RLS xxxxx</td>
<td>Recreation elective (any recreation course not required in the major)</td>
<td>3</td>
</tr>
<tr>
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**Therapeutic recreation core courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 13300</td>
<td>Introduction to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RLS 24300</td>
<td>Interventions and Protocols in Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33400</td>
<td>Leisure Education</td>
<td>3</td>
</tr>
<tr>
<td>RLS 34000</td>
<td>Inclusive Community Leisure Services</td>
<td>3</td>
</tr>
<tr>
<td>RLS 35000</td>
<td>Therapeutic Recreation Process I</td>
<td>3</td>
</tr>
<tr>
<td>RLS 35300</td>
<td>Clinical Application in Therapeutic Recreation</td>
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<tr>
<td>RLS 36000</td>
<td>Therapeutic Recreation Process II</td>
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<td>RLS 43300</td>
<td>Administration of Therapeutic Recreation</td>
<td>3</td>
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<tr>
<td>RLS 45300</td>
<td>Seminar: Professional Development</td>
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**Therapeutic recreation practicum**

A minimum of 6 credits must be earned in either RLS 34900 or RLS 44100, both of which can be taken for variable credit. The total number of practicum credits earned for the degree may not exceed 15, including those credits earned in fieldwork courses outside the major. Practicum credits beyond the 12 required credits may be counted as free electives. Students must complete a minimum of 480 hours over a period of no fewer than 12 consecutive weeks. No fewer than 20 hours can be completed in any week.

Internships must be approved by the department chair. To be eligible for an internship (RLS 44100), a therapeutic recreation major must meet the following prerequisites:

- GPA of at least 2.50 in Department of Recreation and Leisure Studies (RLS xxxxx) courses
- minimum average of 3.00 in RLS 24800 and RLS 34800, Service Learning I and II
- cumulative GPA of at least 2.00 and at least 24 credits earned in the last 12 months
- completion of a majority of the therapeutic recreation professional core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
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<tr>
<td>RLS 24800</td>
<td>Service Learning I: Programming</td>
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<tr>
<td>RLS 34800</td>
<td>Service Learning II: Administration</td>
<td>3</td>
</tr>
<tr>
<td>RLS 34900</td>
<td>Advanced Fieldwork</td>
<td>2 to 6</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RLS 44100</td>
<td>Internship in Recreation and Leisure Studies</td>
<td>6 to 9</td>
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<tr>
<td><strong>Subtotal:</strong></td>
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<td></td>
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</table>

**Liberal arts electives**

Liberal arts electives: 0-1

**Free electives**

Free electives: 7-10

**Total, B.S. in therapeutic recreation:** 120

**Minors- Recreation and Leisure Studies**

**Recreation Minor**

The recreation minor is open to students majoring in all disciplines except recreation management, outdoor adventure leadership, and therapeutic recreation.

The academic minor in recreation is designed to increase the student’s awareness of the importance and extent of leisure and recreation in modern society and to prepare the student to plan, organize, and lead a recreation program of limited scope in a variety of settings.
In addition to the minimum credit requirements for this minor, students must either provide documented evidence that they have had at least 200 hours of work or volunteer experience in the areas of recreation programming or leadership with a leisure service agency, or complete the course RLS 24800 Service Learning I: Programming.

Requirements

RLS 10100 Leisure and Society 3
or
RLS 10300 History and Philosophy of Leisure 3
RLS 10500 Fundamentals of Leadership 3
RLS 23200 Program Planning 3
HLTH 12200 Emergency Health Care 1
RLS xxxxx Recreation electives 6

Total Credit Hours: 15

Outdoor Pursuits Minor

The outdoor pursuits minor is open to students majoring in all disciplines except outdoor adventure leadership.

Outdoor pursuits are used in many settings. Businesses are using “outward-bound” type programs with their executives. Social service agencies offer camping and outdoor adventure programs for clients. Schools are using outdoor education and camping programs as part of their curriculum. Wilderness therapy is a growing field for troubled youth and drug and alcohol programs. This academic minor program prepares students to plan, organize, and lead outdoor leadership programs of limited scope.

Requirements

RLS 15100 Foundations of Outdoor Adventure Pursuits 3

Recreation electives

Select at least 12 credits from the following:

RLS 180xx Selected Topics in Adventure Skill 1
RLS 190xx Selected Topics in Adventure Skill Fieldwork 2
RLS 21600 Outdoor Adventure Skills 3
RLS 21800 Wilderness First Responder 3
RLS 22000 The Wilderness Experience 4
RLS 22300 Wilderness Literacy 2
RLS 280xx Selected Topics in Adventure Skill Management 2
RLS 35400 Organization and Supervision of Outdoor Pursuits 2
RLS 37000 Recreational Land Use Ethics 3
RLS 42100 Wilderness Expedition Leadership 4
RLS 43000 Adventure Education 3

Total Credit Hours: 16

Department of Speech-Language Pathology and Audiology

Luanne Andersson, Associate Professor and Chair

Richard Schissel, Associate Professor and Graduate Chair

Mary Pitti, Assistant Clinical Professor and Clinical Program Director

Students who select speech-language pathology (SLP) as their major typically pursue a career as practicing speech-language pathologists. The Ithaca College undergraduate program in SLP provides the solid clinical and academic foundation essential for achieving that goal. Students who successfully complete the Ithaca College undergraduate program in SLP earn a B.S. degree that provides them with the foundational knowledge and beginning clinical skills that are important for further graduate study in speech-language pathology. Students are also well prepared to enter related areas of study at the graduate level, such as audiology, elementary education, and special education.

Professional coursework focuses on basic human communication processes while introducing students to the study of speech-language and hearing disorders and providing capstone experiences in a clinical practicum. This coursework is complemented by carefully selected, yet flexible, liberal arts and teacher education courses. A master’s degree is required for the Certificate of Clinical Competence in SLP (CCC-SLP) awarded by the American Speech-Language-Hearing Association (ASHA) and for a license to practice speech-language pathology in the state of New York, awarded by the New York State Office of Professions (NYSOP). The department’s graduate programs meet the academic and clinical requirements for professional certification and licenses as defined by the ASHA, NYSOP, and New York Education Department (NYSED).

Strengths of the Ithaca College program in SLP include the following opportunities:

1. taking classes in the major during the first year at Ithaca College;
2. taking up to 30 credits in courses pertaining to disordered communication (e.g., child language disorders, articulation disorders), providing excellent preparation for graduate school;
3. completing at least 25 hours of carefully sequenced clinical observations accompanied by thoughtfully constructed professional writing assignments;
4. completing a capstone clinical experience while earning approximately 25 clinical clock hours working directly with clients in the Sir Alexander Ewing-Ithaca College Speech and Hearing Clinic or an approved off-
campus clinic site (these clinical clock hours may be applied to the total hours required for certification);

5. studying abroad during the junior year, if desired;

6. having a minor area of study (e.g. psychology, Deaf Studies);

7. enrolling in teacher education coursework that is required for New York State Teaching Students with Speech and Language Disabilities (TSSLD) certification; and

8. participating in one of our automatic-acceptance programs for graduate study in SLP at Ithaca College for students who, at the time of application to the graduate program, have met automatic-acceptance criteria.

Special Academic Status Policy for Speech-Language Pathology and Audiology Majors

To maintain satisfactory academic standing, a student must

1. maintain a cumulative GPA of 2.50,

2. complete all required departmental courses (SLPA xxxx) with a grade of C- or better,

3. successfully complete at least 24 credits in any consecutive 12 months.

Prior to completion of the major, the student is required to repeat required departmental courses in which he or she receives a grade below C-. No advanced course may be taken until all prerequisites for it have been completed with a grade of C- or better.

Academic warning: A student who fails to meet any of the requirements for satisfactory standing stated above will be placed on academic warning. When a GPA deficiency exists, the student must subsequently attain grades sufficiently above the 2.50 standard to bring the cumulative GPA up to the required 2.50 or above.

Dismissal: A student who fails to meet the requirements for satisfactory standing for two consecutive semesters will be dismissed from the major and also may be suspended or dismissed from the school and from Ithaca College.

Speech-Language Pathology Major — B.S.

Major department requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLPA 11010</td>
<td>Phonetics</td>
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</tr>
<tr>
<td>SLPA 15000</td>
<td>Introduction to Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 21200</td>
<td>Anatomy and Physiology of the Speech and Hearing Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 21600</td>
<td>Normal Language and Literacy</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 22000</td>
<td>Articulation and Phonological Development and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 23000</td>
<td>Child Language Disorders: Assessment and Intervention</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 24000</td>
<td>Basic Audiology</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 24200</td>
<td>Aural Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 35200</td>
<td>Diagnosis and Appraisal</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 36000</td>
<td>Brain Science</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 36500</td>
<td>Basic Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 37000</td>
<td>Clinical Observation</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 45400</td>
<td>Speech and Language Disabilities in Educational Settings</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 47200</td>
<td>Clinical Methods</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 47300</td>
<td>Clinical Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 43

Required courses outside major department

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 15500</td>
<td>Basic Statistical Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>MATH 14500</td>
<td>Statistics for the Health, Life, and Social Sciences</td>
</tr>
<tr>
<td>or</td>
<td>PSYC 20700</td>
<td>Statistics in Psychology</td>
</tr>
<tr>
<td>or</td>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
</tr>
<tr>
<td>or</td>
<td>HLTH 13901</td>
<td>Technology for the Professional Edge</td>
</tr>
<tr>
<td>or</td>
<td>EDUC 20100</td>
<td>Technology for the Middle/Secondary School Teacher</td>
</tr>
<tr>
<td>or</td>
<td>EDUC 21910</td>
<td>Early Field Experience: Theory and Practice</td>
</tr>
<tr>
<td>or</td>
<td>LNGS 23200</td>
<td>Introduction to Linguistics</td>
</tr>
<tr>
<td>or</td>
<td>PSYC 10400</td>
<td>Introduction to Developmental Psychology</td>
</tr>
<tr>
<td>or</td>
<td>PSYC 21010</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>or</td>
<td>WRTG 10600</td>
<td>Academic Writing I</td>
</tr>
<tr>
<td>or</td>
<td>WRTG xxxx</td>
<td>Advanced writing course determined by placement test</td>
</tr>
<tr>
<td>or</td>
<td>EDUC 34000</td>
<td>Social and Cultural Foundations of Education</td>
</tr>
<tr>
<td>or</td>
<td>EDUC 19210</td>
<td>Child Abuse Identification and Prevention</td>
</tr>
<tr>
<td>or</td>
<td>EDUC 19220</td>
<td>Drug and Alcohol Abuse: Identification and Prevention</td>
</tr>
<tr>
<td>or</td>
<td>EDUC 19230</td>
<td>School Violence Prevention</td>
</tr>
</tbody>
</table>
### Subtotal: 23-25

**Restricted electives in major department**

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLPA 20800</td>
<td>Perspectives on Deafness</td>
<td>3</td>
</tr>
<tr>
<td>or SLPA 24900</td>
<td>Hearing Loss in the Elderly</td>
<td>3</td>
</tr>
<tr>
<td>or SLPA 32000</td>
<td>Fluency and Voice Disorders</td>
<td>3</td>
</tr>
<tr>
<td>or SLPA 35900</td>
<td>Communication Disorders in the Aging Population</td>
<td>3</td>
</tr>
<tr>
<td>or SLPA 45900</td>
<td>Communication Disorders in Culturally Diverse Populations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives outside major**

- Social and behavioral sciences: 3
- Humanities: 3
- HIST xxxxx History elective: 3
- PHYS xxxxx Physical science elective: 3-4
- CHEM xxxxx Physical science elective: 3-4
- BIOL xxxxx Biological Science (at least 3 credits): 3
  - Language other than English: 0-6
  - Fine and performing arts: 3
  - From any liberal arts area: 0-4
  - From any area: 24-38

**Total, B.S. in speech-language pathology**: 120

### Summary

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major department requirements</td>
<td>43</td>
</tr>
<tr>
<td>Required courses outside major department</td>
<td>23-25</td>
</tr>
<tr>
<td>Restricted electives in major department</td>
<td>3</td>
</tr>
<tr>
<td>Electives outside major</td>
<td>42-58</td>
</tr>
<tr>
<td><strong>Total, minor in communication disorders</strong></td>
<td>18</td>
</tr>
</tbody>
</table>

Note: The above courses may have prerequisites; refer to the course descriptions.

Guidelines on course sequencing and other requirements are available at the department office, Smiddy Hall 301.

### Deaf Studies Minor

Open to students majoring in all disciplines. The minor is designed to develop the use of American Sign Language and increase the student’s understanding of deafness and Deaf culture.

To enter the minor in Deaf studies, students must have completed a minimum of 30 credits, must have a GPA of 3.0 or above, and must have completed SLPA 10901 American Sign Language I with a grade of B- or better. All courses for the minor must be completed at Ithaca College.

Note: Ithaca College’s Department of Speech-Language Pathology and Audiology recognizes members of the linguistic and cultural group whose primary language is...
American Sign Language (ASL) by capitalizing “deaf” when referring to this group or its members.

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLPA 10901</td>
<td>American Sign Language I</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 20901</td>
<td>American Sign Language II</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 30901</td>
<td>American Sign Language III</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 20800</td>
<td>Perspectives on Deafness</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 31000</td>
<td>Deaf Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Department of Sport Management and Media

Annemarie Farrell, Associate Professor and Chair

To prepare students for careers in sport administration, business, management, and communication in diverse capacities and/or graduate study in these fields, the department offers the following degrees.

See SPMM courses

Sport Management Major — B.S.

The sport management major prepares students for a wide range of management positions in the sport industry and/or for graduate study in sport management, business management, or law. A core curriculum in sport management and media provides an understanding and appreciation of all aspects of sport — its historical and cultural development, as well as its sociological, economic, and political dimensions. A core curriculum in management, with specialty courses in sport management, provides knowledge and skill in the areas of organization, finance, law, personnel, and marketing. The application of management principles to the sport enterprise distinguishes this degree program. Students are encouraged to select a minor in their area of interest or related to their career goals. Graduates of this program are well prepared to assume positions in college, professional, and amateur sports offices, event management, marketing firms, sport agencies, international sports offices, and related fields.

Computer science

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

Mathematics

(Students may be required to complete other mathematics courses prior to enrolling in these courses, depending on their math placement exam scores.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 10700</td>
<td>Fundamentals of Applied Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 3

MATH 10800 | Calculus for Decision Making | 4 |
MATH 11100 | Calculus I                      | 4 |
MATH 14400 | Statistics for Business, Economics and Management | 4 |

Subtotal: 8

Social sciences

ECON 12100 | Principles of Macroeconomics | 3 |
ECON 12200 | Principles of Microeconomics | 3 |
PSYC xxxxx | Psychology elective (excluding statistics and methods courses) | 3 |
or
SOCI xxxxx | Sociology elective (excluding statistics and methods courses) | 3 |

Subtotal: 9

Humanities and fine arts

ENGL xxxxx | English elective | 3 |
or
Language elective | 3 |

Subtotal: 3

Language elective, to be selected from French (FREN), German (GERM), Hebrew (HEBR), Spanish (SPAN), or Italian (ITAL)

Communication skills

CMST 11000 | Public Communication | 3 |
or
CMST 11500 | Business & Professional Comm | 3 |
WRTG 10600 | Academic Writing I | 3 |
or
WRTG 11100 | Academic Writing II | 3 |
WRTG xxxxx | Elective | 3 |

Subtotal: 9

Finance

FINA 31100 | Business Finance | 3 |
or
SPMM 35200 | Financial Aspects of Sport | 3 |

Subtotal: 3

Cultural diversity elective

Select 3 credits from the following:

POLT 14100 | Power: Race, Sex, and Class | 3 |
SOCI 11600 | Introduction to Multicultural Studies | 3 |
SOCI 20200 | Women in Britain | 3 |
SOCI 20700 | Race and Ethnicity | 3 |
SOCI 32500 | Race, Class, Gender and Sexuality | 3 |

Subtotal: 3
SOCI 30300  Global Race and Ethnic Relations  3
SOCI 31300  Social Inequality  3
SOCI 34100  Minorities in the United Kingdom  3
ANTH 10400  Cultural Anthropology  3
RLST 10500  Introduction to World Religions: Indigenous and Eastern  3
RLST 10600  Introduction to World Religions: Western and Modern  3

Subtotal: 3

Sport management and media
SPMM 29500  Social Aspects of Sport  3
SPMM 29800  Gender Issues in Sport  3
Select 3 credits from the following:
SPMM 20700  History of Sport  3
SPMM 21000  International Sport Administration  3
SPMM 29200  Minicourses in Sport Management and Media  1 to 3
SPMM 29300  Minicourses in Sport Management and Media  1 to 3
SPMM 29700  Sport: Philosophical Perspectives  3
SPMM 29900  The Evolution of Sport Media  3
SPMM 32400  Youth Sport in America  3
SPMM 39000  Sport Internet Marketing  3
SPMM 39400  Sport in Film and Literature  3
SPMM 39700  The Olympic Games  3
SPMM 39900  Selected Topics in Sport Management and Media  1 to 3
SPMM 40700  Sport in the Civil Rights Movement  3

Subtotal: 9

SPMM 29200: Not liberal arts elective (NLA)
SPMM 29300: Liberal arts elective (LA)

Specific requirements
SPMM 11000  Introduction to Sport Management  3
SPMM 11200  Contemporary Issues in Sport Management  3
SPMM 28500  Sport Event and Facility Management  3
SPMM 30300  Seminar in Sport Law  3
SPMM 31000  Labor Relations in Sport  3
SPMM 32600  Sport Marketing  3
SPMM 31500  Sport Governance and Policy  3
SPMM 34900  Fieldwork in Sport Management and Media  1 to 3
SPMM 36500  Sport Economics  3
SPMM 38500  Sport Consumer Behavior and Sales  3
SPMM 41500  Strategic Management in Sport  3
SPMM 46000  Internship in Sport Management and Media  6 to 12

Subtotal: 49

Liberal arts electives
Liberal arts electives  15

Free electives
Free electives  9

Subtotal: 96

Summary
General requirements  47
Specific requirements  49
Liberal arts electives (LA)  15
Free electives  9

Total, B.S. in sport management  120

Sport Media Major — B.S.

The sport media major prepares students for specialized careers in sport media relations, broadcast media, and print journalism. The curriculum consists of three core areas: sport management and media, communications, and liberal arts. The sport management and media core provides comprehensive exposure to all aspects of the sport industry, including its historical, cultural, sociological, economic, philosophical, and political foundations. The communications core emphasizes background in media production, marketing, media relations, and writing for publications and broadcast.

Ithaca College is one of a very few institutions in the country to award degrees in this major. Our roots in the liberal arts connect our students to the broader world around them and encourage them to think critically about the forces that shape our lives. Our graduates are well prepared to assume positions in media relations, broadcast and print media, and new media in sport organizations at the college, professional, and amateur level.

Computer science
Select 3 credits from the following:
COMP xxxxx  COMP xxxxx Computer science elective  3
or
STCM 11100  Presentation Media and Visual Design  3

Subtotal: 3

Mathematics
MATH 14400  Statistics for Business, Economics and Media  4
Management
or
PSYC 20700 Statistics in Psychology 4

Subtotal: 3-4

Natural sciences
Any natural science elective (NS) 3

Subtotal: 3

Humanities and fine arts
HIST xxxx History elective 3
ENGL xxxx English elective 3
or
Language elective
PHIL xxxx PHIL xxxx Philosophy elective 3
or
RLST xxxx Religion elective 3
Humans or fine arts elective (HU or FA) 3

Subtotal: 12

Language elective, selected from French (FREN), German (GERM), Hebrew (HEBR), Spanish (SPAN), or Italian (ITAL)

Communication skills
CMST 11000 Public Communication 3
or
CMST 11500 Business & Professional Comm 3
WRTG 10600 Academic Writing I 3
or
WRTG 11100 Academic Writing II 3
WRTG 20100 Argument 3
Select 6 credits from the following:
TVR 13100 Media Writing 3
STCM 33200 Writing for Public Relations 3
WRTG 20500 Personal Essay 3
WRTG 21100 Writing for the Workplace 3
WRTG 32000 Public Essay 3
WRTG 34000 Magazine Writing 3
WRTG 34200 Writing about Sports 3

Subtotal: 15

Social sciences
ECON 12100 Principles of Macroeconomics 3
ECON 12200 Principles of Microeconomics 3
PSYC xxxx Psychology elective 3
SOCI xxxx Sociology elective 3

Subtotal: 12

PSYC xxxx and SOCI xxxx: excluding statistics and methods courses

Sport management and media
SPMM 29500 Social Aspects of Sport 3
SPMM 29800 Gender Issues in Sport 3
Select 9 credits from the following:
SPMM 20700 History of Sport 3
SPMM 21000 International Sport Administration 3
SPMM 28500 Sport Event and Facility Management 3
SPMM 29200 Minicourses in Sport Management and Media 1 to 3
SPMM 29300 Minicourses in Sport Management and Media 1 to 3
SPMM 29700 Sport: Philosophical Perspectives 3
SPMM 30300 Seminar in Sport Law 3
SPMM 31000 Labor Relations in Sport 3
SPMM 31500 Sport Governance and Policy 3
SPMM 32400 Youth Sport in America 3
SPMM 36500 Sport Economics 3
SPMM 39000 Sport Internet Marketing 3
SPMM 39400 Sport in Film and Literature 3
SPMM 39700 The Olympic Games 3
SPMM 39900 Selected Topics in Sport Management and Media 1 to 3
SPMM 40700 Sport in the Civil Rights Movement 3

Subtotal: 15

SPMM 29200: Non-Liberal arts elective (NLA)
SPMM 29300: Liberal arts elective (LA)

Specific requirements
TVR 10100 Introduction to Media Production 4
STCM 23200 Public Relations 3
STCM 24100 Advertising 3
SPMM 11000 Introduction to Sport Management 3
SPMM 11200 Contemporary Issues in Sport Management 3
SPMM 24200 Sport Video Production 3
SPMM 29900 The Evolution of Sport Media 3
SPMM 32500 Sport Media Relations 3
SPMM 32600 Sport Marketing 3
SPMM 33900 Sport Publications 3
SPMM 34900 Fieldwork in Sport Management and Media 1 to 6
SPMM 46000 Internship in Sport Management and Media 6 to 12
MKTG 31200 Principles of Marketing 3
MKTG 32300 Consumer Behavior 3
or
MKTG 32500 Sales and Sales Promotion 3

Subtotal: 44

TVR 10100: Open to sport media majors in the spring semester
Free electives
Free electives 12-13
Subtotal: 107-108

Summary
General requirements 63-64
Specific requirements 44
Free electives 12-13
Total, B.S. in sport media 120

Sport Studies Major — B.A.

The sport studies major meets the needs of students who want an in-depth study of sport and its place in modern society. Grounded deeply in the liberal arts, the sport studies curriculum investigates the historical, sociological, psychological, and philosophical dimensions of sport. Students have the opportunity to further their appreciation for the world of sport with advanced study that explores such areas as gender issues, the Olympic Games, and sport film and literature. Sport studies majors are encouraged to explore specific areas of study more deeply by enrolling in those minors that may directly prepare them for graduate study or prospective careers.

Computer science
Select 3 credits from the following:
COMP xxxxx COMP xxxxx Computer science elective 3
or
Mathematics
Select 3-4 credits from the following (students may be required to complete other mathematics courses prior to enrolling in these courses, depending on their scores on the math placement exam):
MATH 10500 Mathematics for Decision Making 3
or
MATH 10800 Calculus for Decision Making 4
or
MATH 11100 Calculus I 4
or
MATH 15500 Basic Statistical Reasoning 3

Subtotal: 3-4

Natural sciences
Any natural science electives 6-7

Subtotal: 6-7

Humanities and fine arts
ENGL xxxxx English elective 3
HIST xxxxx History elective 3
or
PHIL xxxxx PHIL xxxxx Philosophy elective 3
or
RLST xxxxx Religion elective 3
or
Humanities or fine arts elective (HU or FA) 3

Subtotal: 15

Aesthetics elective, to be selected from art (ART), art history (ARTH), music (MUTH, JAZZ, MUMC, MUNM, MUEN, PFNM), or theater arts (THPA)

Communication skills
CMST 11000 Public Communication 3
or
CMST 11500 Business & Professional Comm 3
WRTG 10600 Academic Writing I 3
or
WRTG 11100 Academic Writing II 3
WRTG xxxxx Applied writing elective (not WRTG 10100) 3

Subtotal: 9

Social sciences
PSYC xxxxx Psychology elective (excluding statistics and methods courses) 3
SOCI xxxxx Sociology elective (excluding statistics and methods courses) 3
ECON xxxxx Economics electives 12
or
POLT xxxxx POLIT xxxxx Politics elective 3
ANTH xxxxx ANTH xxxxx Anthropology elective (not ANTH 10300) 3
Social and behavioral science elective 3

Subtotal: 15

Specific requirements
SPMM 20700 History of Sport 3
SPMM 29500 Social Aspects of Sport 3
SPMM 29700 Sport: Philosophical Perspectives 3
Select 21 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 27500</td>
<td>The History of United States Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>RLS 10100</td>
<td>Leisure and Society</td>
<td>3</td>
</tr>
<tr>
<td>RLS 36600</td>
<td>Social and Cultural Aspects of Play</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 20200</td>
<td>Sport and Exercise Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 29300</td>
<td>Minicourses in Sport Management and Media</td>
<td>1 to 3</td>
</tr>
<tr>
<td>SPMM 29800</td>
<td>Gender Issues in Sport</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 29900</td>
<td>The Evolution of Sport Media</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 32400</td>
<td>Youth Sport in America</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 36500</td>
<td>Sport Economics</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 39400</td>
<td>Sport in Film and Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 39700</td>
<td>The Olympic Games</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 39900</td>
<td>Selected Topics in Sport Management and Media</td>
<td>1 to 3</td>
</tr>
<tr>
<td>SPMM 40700</td>
<td>Sport in the Civil Rights Movement</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 45000</td>
<td>Independent Study in Sport Management and Media</td>
<td>1 to 3</td>
</tr>
</tbody>
</table>

Subtotal: 30

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPMM 29300</td>
<td>Liberal arts elective (LA)</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 39900</td>
<td>Liberal arts elective (LA) only</td>
<td></td>
</tr>
<tr>
<td>Liberal arts electives</td>
<td></td>
<td>7-9</td>
</tr>
<tr>
<td>Free electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Free electives</td>
<td></td>
<td>29-32</td>
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</table>

Subtotal: 81-83

**Summary**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General requirements</td>
<td>51-53</td>
</tr>
<tr>
<td>Specific requirements</td>
<td>30</td>
</tr>
<tr>
<td>Liberal arts electives</td>
<td>7-9</td>
</tr>
<tr>
<td>Free electives</td>
<td>29-32</td>
</tr>
</tbody>
</table>

Total, B.A. in sport studies 120

**Sport Studies Minor**

The sport studies minor is open to students majoring in all disciplines except sport management, sport media, and sport studies.

**Curriculum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPMM 20700</td>
<td>History of Sport</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 29500</td>
<td>Social Aspects of Sport</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 29700</td>
<td>Sport: Philosophical Perspectives</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 9 credits from the following (6 credits must be at level 3 or 4):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSS 20200</td>
<td>Sport and Exercise Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 29300</td>
<td>Minicourses in Sport Management and Media</td>
<td>1 to 3</td>
</tr>
<tr>
<td>SPMM 29800</td>
<td>Gender Issues in Sport</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 29900</td>
<td>The Evolution of Sport Media</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 32400</td>
<td>Youth Sport in America</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 36500</td>
<td>Sport Economics</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 39400</td>
<td>Sport in Film and Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 39700</td>
<td>The Olympic Games</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 39900</td>
<td>Selected Topics in Sport Management and Media</td>
<td>1 to 3</td>
</tr>
<tr>
<td>SPMM 40700</td>
<td>Sport in the Civil Rights Movement</td>
<td>3</td>
</tr>
<tr>
<td>SPMM 45000</td>
<td>Independent Study in Sport Management and Media</td>
<td>1 to 3</td>
</tr>
</tbody>
</table>

SPMM 39900: Liberal arts elective (LA) only

Total Credit Hours: 18

**Physical Activity, Leisure, and Safety Program**

**John Sigg, Associate Dean and Program Coordinator**

The physical activity, leisure, and safety (PALS) program provides diverse, skill-oriented physical activities as part of a general education program promoting the physiological development of students, improving their fitness and motor skills, and enabling them to maintain a suitable recreation program of their choice during and after college. The PALS program offers a variety of activities in the areas of aquatics, individual and dual sports, team sports, and physical fitness. Additional courses in dance are offered for all students through the physical education program (PHED prefix courses), and CPR and first aid courses are offered through the health education program (HLTH).

A maximum of 6 credits in PALS courses, taken as open (free) electives, may be counted toward graduation. Each school or department determines the number that may be counted toward graduation. PALS courses are offered on a pass/fail basis only.

**Activity Course Registration Information**

Students must register online for activity courses. In order to do so, students must select the appropriate block: block 1 (first 7 weeks of the semester) or block 2 (last 7 weeks of the semester). Students risk being automatically dropped from the course if they do not attend the first class meeting. The only exception to this rule will be with prior notice of the absence. A student who is dropped for nonattendance may apply to be added at the next class meeting. (Note: The instructor is not obligated to drop a student; students who decide not to take the course must follow the regular drop procedures.) All persons who
participate in activity courses must have a health clearance on file in the College’s health center.

Some of the courses require the student to pay an extra fee to cover various instructor, equipment, and materials costs. Courses for which students will be assessed an additional fee include American Red Cross CPR and first-aid courses, scuba diving, skiing, and snowboarding. The costs associated with these courses are noted in the course descriptions when students register.

**Intercollegiate Athletic Course Registration Information**

Students participating on an intercollegiate athletic team can register online for intercollegiate athletic course credit. Students who do not make the team or who discontinue participation for any reason must drop or withdraw from the course online. Intercollegiate athletic courses are offered on a pass/fail basis only. Credit is granted either in the fall or the spring for any given sport. No late requests for credit will be honored.

See PALS courses (p. 510) and HINT courses (p. 445)
SCHOOL OF HUMANITIES AND SCIENCES

Leslie W. Lewis, Dean
Kathy Lucas, Assistant Dean
Stacia E. Zabusky, Associate Dean

For full faculty listing, see Faculty and Administration (p. 336).

Introduction

Education in the School of Humanities and Sciences prepares students for life in a rapidly changing, multicultural, and globally inclusive world. Liberal arts programs of study are designed so that students develop intellectual flexibility, critical literacies, and the ability to integrate learning and socially responsible action. Academic programs within the school also prepare students for successful careers in the professions, public service, teaching, business and industry, theatre, and the fine arts. The bachelor of arts, bachelor of science, and bachelor of fine arts degree programs are excellent preparation for professional and graduate study.

Opportunities within the School of Humanities and Sciences are many. Through formal courses and field studies students develop an understanding and appreciation of the historical antecedents of current social problems and engage in direct study of current social issues. In the science laboratory, on the stage, or in independent study and research, students put theory into practice. Emphasis is also placed on developing an understanding of personal and human values as reflected in literature, history, art, and philosophy.

In summary, the goal of the School of Humanities and Sciences is liberal education that encourages students to seek facts, approach problems rationally, and respond logically, sensitively, and creatively to themselves and others and to the world around them.

Vision

The School of Humanities and Sciences strives to advance the study and practice of the liberal arts as the dynamic core of our comprehensive college. We foster creative expression and critical thinking, support collaboration among disciplines and between faculty and students, and integrate scholastic excellence, disciplinary training, and civic engagement.

Mission

The School of Humanities and Sciences promotes the reasoned exchange and responsible application of disciplinary knowledge within a global society. Recognizing the endurance and relevance of the liberal arts, our diverse academic programs integrate theory and practice to address the emerging demands of our changing world. As scholars, artists, and mentors, our faculty provide an immersive learning environment grounded in dialogue and collaboration and cultivating in students the critical thinking and personal integrity necessary for academic, professional, and civic life.

Because experience tempers knowledge, we encourage our students to learn both inside and outside the classroom. In addition to disciplinary instruction and practice, we offer pedagogically meaningful curricular and cocurricular activities, such as community-based learning initiatives and professional internships. These activities embody our belief that the arts and sciences belong to and serve the greater community and that self-reflection and intellectual advancement should lead to concrete actions that benefit humanity.

Knowledge put into practice generates informed citizenship, global awareness, and social investment. The School of Humanities and Sciences prepares students to lead productive and fulfilled lives while working toward a just and sustainable world.

Majors in H&S

The following majors are offered by the departments and interdisciplinary programs of the School of Humanities and Sciences:

- Aging Studies (B.A., B.S.)
- Anthropology (B.A.)
- Architectural Studies (B.A.)
- Art (B.A., B.F.A.)
- Art Education (B.A.)
- Art History (B.A.)
- Biochemistry (B.S.)
- Biology (B.A., B.S.)
- Biology with Teaching Option (B.A.)
- Communication Studies (B.A.)
- Computer Science (B.A., B.S.)
- Culture and Communication (B.A.)
- Economics (B.A.)
- Applied Economics (B.S.)
- Emerging Media (B.S.)
- English (B.A.)
English with Teaching Option (B.A.)
Environmental Science (B.S.)
Environmental Studies (B.A.)
French and Francophone Studies (B.A.)
French with Teaching Option (B.A.)
German Area Studies (B.A.)
German with Teaching Option (B.A.)
History (B.A.)
Italian Studies (B.A.)
Mathematics (B.A.)
Mathematics with Teaching Option (B.A.)
Mathematics-Computer Science (B.S.)
Mathematics-Computer Science with Teaching Option (B.S.)
Mathematics-Economics (B.A.)
Mathematics-Physics (B.A.)
Philosophy (B.A.)
Philosophy and Religion (B.A.)
Physics (B.A., B.S.)
Physics with Teaching Option (B.A.)
Planned Studies (B.A., B.S.)
Politics (B.A.)
Psychology (B.A.)
Applied Psychology (B.S.)
Social Studies with Teaching Option (B.A.)
Sociology (B.A.)
Spanish (B.A.)
Spanish with Teaching Option (B.A.)
Theatre Arts:
Acting (B.F.A.)
Musical Theatre (B.F.A.)
Theatre Arts Management (B.S.)
Theatre Studies (B.A.)
Theatrical Production Arts (B.F.A.)
Writing (B.A.)

General Education in Humanities and Sciences

Mission of the General Education Program

The general education program in the School of Humanities and Sciences provides students with the resources necessary for a lifetime of inquiry, discovery, and responsible citizenship. The program fosters literacy in the liberal arts, including an understanding of concepts, perspectives, and methodologies across the humanities and sciences curriculum and the ability to think critically, communicate effectively, and appreciate diverse cultures and perspectives.

Goals

General education students should

1. explore how we, as individuals, come to act and believe as we do, how we relate to one another in small or large groups, and how we govern ourselves within our communities;
2. understand the physical basis of the natural sciences and associated technology, as well as the methods that scientists use to study physical and natural phenomena;
3. learn to perform basic computations and understand how mathematical literacy and/or formal, logical reasoning is necessary to solving a variety of society’s problems, such as those found in business, finance, health, politics, law, and economics;
4. learn to analyze and understand the uses of verbal language in forms of expression such as plays, stories, essays, speeches, and everyday conversation;
5. learn to analyze and understand artistic performances and visual works of art as ways of expressing a range of meaning, from the emotions and ideas of individual creators to the ideas of entire societies;
6. explore how the past shapes the present and the reasons behind the changes;
7. examine self, society, science, mathematics, formal reasoning, language, and/or the visual and performing arts from the position of a human community outside the United States.

To meet these goals, students in H&S must complete foundation, focused curricular choice, and global and historical perspective requirements in addition to the requirements of their specific majors.

Foundation Requirements

Writing Effectiveness

Effective writing is defined as writing that is clear, focused, and adequately developed in response to an assignment. Such writing is well organized and reasonably
correct according to conventional standards of grammar, punctuation, and usage.

Students satisfy the writing effectiveness requirement first by completing WRTG 10600 (or equivalent). At the end of this course, the instructor applies the criteria established for effective writing to determine whether the student meets the writing requirement. Students may verify that the requirement has been met by checking their degree evaluation on HomerConnect. Students failing to satisfy the requirement after earning credit for WRTG 10600 (or equivalent) may then meet the requirement either by enrolling in WRTG 11100 (if credit has not already been earned for this course) or by completing a writing portfolio under the direction of a writing department faculty member.

Students failing to meet the writing effectiveness requirement after completing the portfolio process must satisfy it by meeting guidelines established by their major department. Detailed information on the portfolio process is available from the writing department and the student’s academic adviser. Guidelines for departmental portfolio processes are available from each academic department in H&S.

**Mathematics**

Students must either achieve a score on the math placement exam placing them in group 3, 2, or 1 or, if placed in group 4, earn a grade of C- or better in MATH 10000 or MATH 18000.

**Focused Curricular Choice**

The general education program of the School of Humanities and Sciences divides its general education curricular choice into five areas. Courses that may be used to fulfill the requirements of the general education program carry a designation indicating the curricular area in which the course is placed. Designated courses that meet major and/or other degree requirements may also be counted toward satisfying the requirements of the general education program.

Some course credits earned through College Board Advanced Placement examinations may not meet the general education requirements of the School of Humanities and Sciences. Up to two courses (6 credits) of AP credit may be used toward the general education requirement. This rule applies only when students receive course-specific AP credit for courses that have been designated as general education courses.

Students are required to complete 33 credits in the following five general education areas:

**Twelve credits in self and society (1):** This curricular area explores how we as individuals come to act and believe as we do, how we relate to one another in small or large groups, and how we govern ourselves within our communities. Two of the following activities must be central to courses meeting the requirements for this curricular area:

1. Students will explore their own values, beliefs, and behaviors and trace the causes for and sources of those values, beliefs, and behaviors.
2. Students will also discover how they express those values and beliefs through their actions and learn to evaluate the effects of these values and beliefs on their daily lives.
3. Students will come to understand the developmental process of identity formation.
4. Students will examine interactions between diverse cultures and institutions and explore areas of both harmony and conflict.
5. Students will explore the ways in which cultures and institutions help shape, and in turn are shaped by, the lives and decisions of their members.

**Six credits in science (2a):** This curricular area provides understanding of the physical basis of the natural sciences and associated technology, as well as the methods that scientists use to study physical and natural phenomena. Two of the following activities must be central to courses meeting the requirements for this curricular area:

1. Students will develop an understanding of some basic scientific principles.
2. Students will develop an appreciation for the relevance of science to society, as well as some comprehension of the interaction of humans and the natural and physical world.
3. Students will develop an understanding of the methods the natural sciences use to study the physical world through courses that include an experimental component and/or an observation component and/or a component to evaluate data and develop and test hypotheses.

**Three credits in mathematics and formal reasoning (2b):** This curricular area assumes basic skills in mathematics and then progresses beyond this ability to an understanding of how mathematical literacy and/or formal, logical reasoning is necessary to solve a variety of society’s problems, such as those found in business, finance, health, politics, law, and economics. One of the following activities must be central to courses meeting the requirements for this curricular area:

1. Students will examine mathematics and/or other formal reasoning systems as tools in societies.
2. Students will examine mathematics and/or other formal reasoning systems as reflections of the concerns, values, and direction of human communities.
3. Students will examine mathematics and/or other formal reasoning systems as abstract, universal systems.

**Six credits in language (3a):** This curricular area reflects on the everyday and artistic uses of verbal language in forms of expression such as plays, stories, essays, and speeches. One of the following activities must be central to courses meeting the requirements for this curricular area:

1. Students will analyze texts to discover the role language plays in how people view themselves and their world.
2. Students will use language to shape ideas about themselves and their world.

**Six credits in visual and performing arts (3b):** This curricular area concentrates on the human urge to create artistic performances and visual works of art as ways of expressing a range of meaning, from the emotions and ideas of individual creators to the ideas of entire societies. One of the following activities must be central to courses meeting this curricular area:

1. Students will examine how performances or visual works stimulate our emotions, provoke our thoughts, and even guide our actions and beliefs.
2. Students will perceive and understand the visual and performing arts and articulate this perception and understanding.
3. Students will place the visual and performing arts in the larger context of human communities.
4. Students will create their own performances or visual works to understand the processes by which people express meaning and as a way of exploring values and beliefs.

**Global and Historical Perspectives**

A number of courses in the five curricular areas of inquiry cultivate a global and/or historical perspective. A course is categorized as primarily global in focus if it concentrates on developing an understanding of communities outside the United States. It is categorized as primarily historical in focus if it concentrates on developing a historical understanding of how communities develop and function. A course can be designated as both global and historical if it concentrates on both of these aspects.

Students in H&S must include in their coursework at least 6 credits with a global designation and 6 credits with a historical designation.

Courses satisfying the global and historical perspectives requirements may come from those courses used to satisfy the area/category requirement. A course with a dual global and historical designation may be used to meet the requirement in one or the other perspective but not both. Credits earned in an approved study-abroad program will fulfill the global perspective requirement.

Students are required to complete 12 credits in the following perspectives:

**Six credits designated to have a global perspective (G):** This curricular requirement is also a perspective found within the five curricular areas. The global perspective is designed to help students understand self and society, science, mathematics, formal reasoning, language, or the visual and performing arts from the position of communities outside the United States. A full semester of study outside the United States fulfills this requirement. Ithaca College courses must focus on one of the following activities to fulfill the global perspective requirement:

1. Students will examine the nature of the viewpoints, beliefs, and organizations of a community outside of the United States.
2. Students will examine the verbal, written, or visual ways in which members of a community outside of the United States express themselves through physical structures, works of literature, art, music, or mass media.

**Six credits designated to have a historical perspective (H):** Courses offering a historical perspective are found within the five curricular areas. Courses carrying this designation must explore how the past shapes the present and the reasons behind historical change. One of the following activities must be central to courses that fulfill the historical perspective requirement:

1. Students will study how the events, institutions, works, expressions, or ideas that we study from the past are related to what preceded them and followed them.
2. Students will examine the relationships between contemporaneous events, institutions, ideas, and individuals, and those in a past society.

**General Education Requirements**

**Foundation Requirements**

<table>
<thead>
<tr>
<th>Writing effectiveness</th>
<th>WRTG 10600 or equivalent course and determination by instructor that students are effective writers.</th>
<th>3-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>Math placement score of 3, 2, or 1, or if placed in group 4, a grade of C- or better in MATH 10000 or MATH 18000.</td>
<td>0-3</td>
</tr>
</tbody>
</table>

**Focused Curricular Choice**

<table>
<thead>
<tr>
<th>Area of Inquiry</th>
<th>Category</th>
<th>Credits</th>
<th>Area</th>
</tr>
</thead>
</table>
### Academic Policies

#### Graduation Requirements

The following regulations apply to students enrolled in the School of Humanities and Sciences:

1. All candidates for graduation must complete the general education requirement, mathematics requirement, writing requirement, and requirements listed by the department of their major. Any variation from the requirements in the major field must be approved in writing by the department and dean.

2. A minimum of 120 credits, including satisfactory completion of all required departmental courses and general education requirements, is necessary for graduation.

3. The senior year must be completed in residence at Ithaca College. Any variation from this requirement must be approved by the department and dean prior to enrollment in courses elsewhere.

4. Students must select a major by the end of sophomore year.

5. In order to graduate from the School of Humanities and Sciences, a student must have a minimum cumulative GPA of 2.00 in required courses in the major and no more than two grades below C- in required courses.

6. In order to fulfill the requirements of a minor in the school, a student must have a minimum cumulative GPA of 2.00 in the courses required by the minor and no more than one grade below C- in those courses.

Students should refer to specific departmental major and minor requirements, as some departments stipulate a higher minimum grade of C and/or fewer than two grades of C or C- in required courses for successful degree completion. Departmental stipulations take precedence over the minimum requirements listed here.

#### Dean’s List

Each semester, students are selected for the dean’s list in recognition of superior scholastic performance. Students qualify by attaining a minimum GPA of 3.70. They must complete a minimum of 15 credits, of which at least 12 are graded. A grade of D or F or an incomplete (I) in a course automatically disqualifies the student from the dean’s list, regardless of the overall GPA attained for that semester.

#### Academic Status

To meet the minimum academic standards, students must pay attention to two areas: grade point average and credits completed toward graduation. Over the period of one semester, students are expected to achieve a GPA of 2.00 and to complete at least 12 credits. Over the period of two semesters, students are required to achieve a cumulative GPA of 2.00 and to complete 24 credits.

Students who fail to meet the minimum academic standards are liable to immediate suspension or to suspension after a warning period. Each case is handled on an individual basis by the student’s dean. If a student’s academic performance is grossly deficient, he or she may be suspended without warning. If the dean’s review indicates that a warning before suspension is appropriate, the procedure below is followed. Students should be aware that the offer of a warning period is a privilege, based on individual review, not a right.

#### Definitions of Policies and Procedures of the Academic Status Committee

The Humanities and Sciences Academic Status Committee acts on behalf of the faculty and the dean of the School of Humanities and Sciences.

1. **Warning**: A formal letter notifying students that they have failed to meet the minimum school requirements

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<table>
<thead>
<tr>
<th>Course Type</th>
<th>Sub-Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Self and society</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>2. Science, mathematics, and formal reasoning</td>
<td>a. Science</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>b. Mathematics and formal reasoning</td>
<td>3</td>
</tr>
<tr>
<td>3. Human expression</td>
<td>a. Verbal language</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>b. Visual expression and performing arts</td>
<td>6</td>
</tr>
<tr>
<td>Historical perspective: courses that concentrate on developing a historical understanding of how cultures develop and function</td>
<td>Courses used to satisfy the global and historical perspective requirements may come from courses satisfying the area/category requirements.</td>
<td>6</td>
</tr>
<tr>
<td>Global perspective: courses that develop an understanding of cultures outside the United States</td>
<td>Courses used to satisfy the global and historical perspective requirements may come from courses satisfying the area/category requirements.</td>
<td>6</td>
</tr>
</tbody>
</table>
for acceptable progress in grades, credits, or a combination of grades and credits, and that continued deficiencies may lead to suspension or dismissal from the School of Humanities and Sciences. Those requirements are:

If a student’s academic performance is grossly deficient, he or she may be suspended without prior warning.

- a minimum semester GPA of 2.00;
- a cumulative GPA of 2.00; and
- a minimum of 24 credits completed at Ithaca College in an academic year, with a minimum of 12 credits completed at the college each semester.

2. **Final warning:** A formal letter notifying students that their academic performance is seriously deficient and that they have only one semester to improve their academic standing before suspension. Students may be placed on final warning without prior warnings if deficiencies in their grades and/or credits warrant it. Students given final warning are required to complete at least 12 letter-graded credits at an average of 2.30 or better with no incompletes (I) or Fs and no more than one grade below C. Other conditions may also be specified in the formal notification. Students who fail to meet these minimum standards will be suspended.

3. **Continuation of warning:** A second formal letter notifying students who have been on warning that they continue to be deficient in credits, grades, or a combination of credits and grades. Generally, this letter is sent to students who have demonstrated some improvement over the previous semester but have not yet attained the minimum levels required to remove the formal warning.

Students continued on warning are required to complete their next semester of enrollment with at least 12 letter-graded credits at a level of 2.00 or better, with no incompletes (I) or Fs and no more than one grade below C. Other conditions may also be specified in the formal notification.

Students may be suspended if this level is not attained; in some cases, they may be continued on warning for one more semester.

4. **Suspension:** Formal notice to students that they are suspended from the School of Humanities and Sciences. The length of suspension is specified, and students are informed that they are ineligible to attend courses at the College in fall or spring semesters or summer sessions until a semester specified by the notification letter.

5. **Return to Ithaca College following suspension:** Students who wish to return after suspension should contact the registrar’s office and complete an application. The specific requirements that must be met prior to readmission are specified in the suspension letter.

Following return to the College after academic suspension, students are considered to be on final warning. That is, the minimum level of performance specified in the notification of permission to return must be attained or the student will be dismissed. In exceptional cases, the student may be permitted an additional semester of final warning by permission of the Humanities and Sciences Academic Status Committee.

6. **Dismissal:** Students who do not meet the requirements for academic performance specified on return from suspension will be dismissed from the College.

**Internal Transfers into Humanities and Sciences**

All Ithaca College students are required to remain for at least one semester in the school to which they were originally admitted. Thereafter, it is possible to transfer into the School of Humanities and Sciences on two different bases: through the third semester as an exploratory student or in any semester as a major in one of the humanities and sciences disciplines. Students wishing to transfer must meet the minimum academic standards of the school: a cumulative GPA of 2.00 and completion of at least 12 credits each semester and at least 24 credits in each 12-month period. They must also have achieved a GPA of 2.00 for the semester before the transfer and have at least a 2.00 GPA in all humanities and sciences courses they have completed. Students may submit change of school forms at any time. However, there is a moratorium on processing the forms during the advising and online registration periods each semester.

**Admission procedure:** A change of college/school form, available from the dean’s office, must be submitted to the dean of the School of Humanities and Sciences. Prior to submitting the form to the dean’s office, students must consult with the chair of the department to which a transfer is requested.

**Occasional Transfer Courses**

Transfer credit for occasional courses taken at another institution after matriculation at Ithaca College may be accepted under certain circumstances. Students must receive permission to do so prior to enrollment in any coursework at another institution. The petition form for preliminary approval requires the consent of the student’s adviser, the chair(s) of the department(s) to which the credit for a required course relates, and the dean. On completion of the course(s), students must have the official transcript sent to the registrar’s office in order to have the credits applied to their Ithaca College transcript. Seniors are required to take their last 30 credits at Ithaca College.
Centers of Inquiry

Center for the Study of Culture, Race, and Ethnicity

Asma Barlas, Professor and Director

The Center for the Study of Culture, Race, and Ethnicity was founded in 1999 with the mission to develop a curriculum focused on the experiences of African-, Latin/o-, Asian-, and Native-American (ALANA) people, who are often marginalized, underrepresented, or misrepresented in the U.S. as well as in the normative curriculum. However, while the Center’s courses take the U.S. as the primary site for exploring race, many also problematize borders and binaries (inside/outside, self/other, black/white, local/global) as a way to explore the interconnections between ALANA people and white society as well as between the U.S. and the world.

The Center also fosters dialogues on issues pertaining to race through extra-curricular programming, notably its year-long Discussion Series, which brings between six and eight speakers, artists, and performers to Ithaca over the fall and spring semesters. This dual and comprehensive focus is meant to help students to live in a multiracial and multicultural world by understanding how race and ethnicity shape an individual’s identity and life chances.

African Diaspora studies (p. 195)
Latino/a studies (p. 196)
Native American studies (p. 197)
CSCR (p. 406) courses

Gerontology Institute

Rhoda Meador, Director

The Ithaca College Gerontology Institute promotes and supports research, curriculum development, continuing education, community service, and creative arts activities that focus on aging. A primary goal of the Institute is to provide opportunities for students to learn about aging and careers in gerontology through courses, internships, volunteer activities, and involvement in research projects and professional organizations.

Ithaca College enjoys a partnership with Longview, a residential facility for older adults located very close to campus. This partnership, designed to be mutually beneficial for Ithaca College students and Longview residents, is coordinated and supported by the Gerontology Institute. Longview residents take courses and participate in cultural events at the College. Ithaca College students are involved at Longview through course projects, internships, volunteer opportunities, and special programs (such as an intergenerational choir) sponsored by student organizations. The Institute also houses the Linden Center for Creativity and Aging, which provides faculty and students with the opportunity to explore the impact of involvement in creative activities on the health and well-being of older people and how aging can bring with it new forms of creativity. Particular emphasis is given to the performing arts and hands-on student projects. In addition, the Institute has incorporated service-learning activities in a number of its aging studies courses, providing additional opportunities for experiential learning integrated with course study.

The Gerontology Institute supports faculty research and especially encourages projects that involve students in the research process. Students from a variety of majors have gained valuable research experience through many different research projects. Ithaca College students have conducted interviews with older adults, worked with faculty on data analysis, and presented papers at professional meetings as part of their involvement in gerontology research projects.

The Gerontology Institute administers the aging studies major and minor, offers support to faculty members who wish to incorporate information about aging in their courses, invites gerontology scholars to campus to meet with students and faculty, and provides an important link with state and national professional gerontology organizations. The Institute also collaborates with the Office of Extended Studies to oversee the certificate in gerontology, a 24-credit program for professionals or community members.

Aging Studies, B.A. and B.S. (p. 155)
Certificate in Gerontology (p. 159)
Gerontology (p. 443) courses

Project Look Sharp

Cyndy Scheibe, Associate Professor and Executive Director

Project Look Sharp is an initiative of Ithaca College, in collaboration with local school districts, New York State Board of Cooperative Educational Services (BOCES), the Alliance for Media Literate America, and other national media literacy organizations. The program is designed to promote the effective integration of media literacy and critical thinking into classroom curricula at all educational levels and instructional areas by providing teachers with materials, training, and support. Project Look Sharp offers internships to Ithaca College students, as well as courses in media literacy through the culture and communication degree program.
Project Look Sharp

Special Programs

Exploratory Program

Students who wish to investigate a variety of academic disciplines before selecting a major may enter Ithaca College through the Exploratory Program. Exploratory students work one-on-one with dedicated faculty advisers who help them choose courses from the liberal arts and preprofessional curricula at the College and who guide them through the exploration of areas of interest to ensure that the time spent as an exploratory student is used constructively. During their time in the program, exploratory students are subject to the same academic regulations as all H&S students and are encouraged to take advantage of all the College resources open to the general student population. In the process, they are able to fulfill general education course requirements that count toward completing an Ithaca College degree.

In the Exploratory Program students are well positioned to identify a major and a career path that match their evolving strengths and interests. In the first semester, exploratory students participate in an Ithaca Seminar, an interdisciplinary liberal arts course that connects classroom experience and academic learning with other aspects of college life; the instructor of the seminar also serves as the exploratory student’s adviser. After one semester in the Exploratory Program, students are able to enter a major in H&S or apply for transfer to another school of the College. They also may remain in the Exploratory Program through the end of the sophomore year, or until they have earned 60 credits, at which time they are required to declare a major.

Exploratory Program

Interdisciplinary Studies Programs

H&S offers a variety of opportunities for interdisciplinary study. Students who would like to broaden the focus of their education may opt for one of the interdisciplinary minors offered by H&S: African Diaspora studies, classical studies, counseling, Jewish studies, Latin American studies, Latino/a studies, medieval and renaissance studies, Muslim cultures, Native American studies, neuroscience, and women’s studies. Students also have the option of pursuing independent service learning projects through the community service program. For a full description of the interdisciplinary minors and associated courses, see the “Interdisciplinary Studies” section. For the student who would like to design a major that crosses disciplinary fields, the planned studies major may be of interest.

Interdisciplinary Studies

(p. 194)

Planned Studies Program

(p. 177)

Prelaw Advisory Program

Students may prepare for the study of law by completing any of the regular majors in the School of Humanities and Sciences. Law schools do not stipulate any specific prelaw courses of study. Students planning to study law should discuss this goal with their adviser and develop a program that emphasizes those skills and insights that the Association of American Law Schools has stated are needed for the study of law: (1) comprehension and expression with words; (2) critical understanding of the human institutions and values with which the law deals; and (3) creative power in thinking.

Specific information on law schools and law careers is available from the Office of Career Services. For additional assistance, contact the prelaw adviser, Jonathan Laskowitz, 327 Muller Faculty Center.

Premedical Sciences Program

Students who wish to prepare for any of the medical science professions — dentistry, medicine, optometry, osteopathy, podiatry, veterinary medicine — may do so at Ithaca College in a variety of ways. No specific major is required to prepare for these professions (biology, chemistry, psychology, English, philosophy, and exercise science are some examples of good preparatory majors), but students must complete a minimum of one year each of biology, general or inorganic chemistry, organic chemistry, physics, and English. Statistics is highly recommended.

Courses recommended but not required by the professional schools vary, but they include psychology, sociology, biochemistry, and advanced courses in biology, chemistry, physics, and mathematics. All such coursework is available at Ithaca College. Students interested in any of the medical sciences should contact the chairperson of the Premedical Sciences Advisory Committee, Center for Natural Sciences, as early as possible in their academic career. This will ensure that their academic programs are planned to meet all requirements for professional school by the end of the senior year and in time for the professional schools’ admissions tests.

Premed Option

Independent Studies/Fieldwork and Research

Students in good academic standing or those only on warning for deficiency of credits (see the “Academic Status” section) may undertake academic independent study or research projects for either major or elective credit. Normally, students should have completed appropriate coursework in preparation for such independent projects. For each project undertaken, students must work with a faculty sponsor to prepare the required application form (available online) for approval by the
The forensics program provides an opportunity for students in all disciplines to participate in speech and debate activities, including events held on campus, at intercollegiate events, and in the community at large. The forensics program and its organization, the Forensics Association, enable students to gain experience in all forensics activities, including competitive debate, noncompetitive oral interpretation, and readers’ theater. The association strives to promote the highest standards of oral argument and other communication skills. It sponsors events on campus and represents the College at intercollegiate events. Ithaca College is home to the New York State Alpha chapter of Pi Kappa Delta, the national honorary forensics society. Contact the director of forensics for more information. The forensics program is supported through the department of communication studies, located in Muller Faculty Center. For more information, contact Scott Thomson, director of forensics and assistant professor, communication studies.

Academic Services

Academic Advising

Academic advising is an important component of a student’s educational experience. To be successful in college, students must make a series of complex decisions that involve seeking information, reflecting on goals, and making choices. Although students are ultimately responsible for those decisions, the academic advising process remains crucially important in helping students complete their academic programs, benefit from a broad-based liberal arts education, and prepare for a future beyond Ithaca College.

As part of the School’s efforts to support a successful advising process, H&S seeks to foster a close relationship between students and faculty in part through a program of mandatory advising. All students are assigned an academic adviser; students with declared majors are assigned an adviser within their major department. Advisers to exploratory students help advisees identify their interests and select an appropriate major. Students can expect their advisers to provide information about majors, minors, general education requirements, graduation requirements, and other academic policies and procedures. To obtain the full benefit of the advising experience, students are encouraged to meet with their advisers not only to discuss midterm grades and course selection, but also to seek assistance with the full range of academic decisions they make during their college years.

The academic advising office in the H&S dean’s office coordinates all advising assignments within the School of Humanities and Sciences. This office is a resource center for students and faculty, with staff available to meet with students on a drop-in basis or by appointment.

Writing Center
Located in 107 Smiddy Hall and directed by the department of writing, the writing center offers individual and small-group tutorials on a referred or self-selected basis to students needing assistance. Help is available with any aspect of the writing process, reading comprehension, or study skills. The center offers these services for students in all disciplines — humanities and sciences, business, health sciences and human performance, communications, music, and interdisciplinary studies. In addition to the main location, the writing center annex in Smiddy 109 is also open some evenings; consult the writing center’s website for details on staffing and hours at both the center and the annex.

Writing Center

Math Tutorial Room

The mathematics department is committed to the success of all students enrolled in mathematics courses. Free tutoring is available Monday through Friday in the math tutorial room (Williams 318). The math tutorial room is staffed by mathematics faculty and advanced mathematics majors and is designed to help students enrolled in a wide variety of math courses. In addition, tutoring is also available on Monday and Thursday evenings in Williams 310. This service is staffed by advanced mathematics majors and is designed to help students in introductory mathematics courses. The department’s website contains up-to-date information about the specific courses supported and the hours each room is open. http://www.ithaca.edu/hs/depts/math/studentinfo/tutoring

Additional Tutoring Support

Each semester, the academic advising office in H&S makes available a list of departmental tutoring services available in the School of Humanities and Sciences. In addition, the Office of Academic Enrichment Services provides tutoring services in a range of disciplines.

Departmental Tutoring Services
AES Tutoring Services

Department of Anthropology

Bachelor of Arts

Brooke Hansen, Associate Professor and Chair

The field of anthropology is concerned with the study of humankind. It includes the evolution of the human species and the development and varied nature of the cultures and societies in which people live. Students who major in anthropology engage in scholarly research, fieldwork, and practical training experiences that prepare them for careers in public and community service, education, international development, and professional research. For all students at the College, regardless of their major, anthropology offers a holistic and cross-cultural perspective on human culture that is essential to a liberal arts education.

Anthropology attempts to provide an integrated view of the human condition, and it therefore deals simultaneously with the cultural, social, physical, and historical aspects of the human experience. Anthropology is divided into four fields or areas that reflect this multifaceted approach to humanity: (1) cultural anthropology, which deals with the distinctive patterns, institutions, and lifestyles of Western and non-Western societies; (2) archaeology, which deals with the reconstruction of historic and prehistoric cultures through the retrieval and analysis of their material remains; (3) biological anthropology, which is concerned with human evolution, population genetics, primate studies, and the physical variability of human populations; and (4) anthropological linguistics, which is concerned with the interrelations between culture and systems of communication. An increasingly important fifth field is applied anthropology, which examines the relevance of knowledge derived from these four areas to the amelioration of contemporary human problems in a variety of cultural settings.

The major and minor in anthropology are designed to offer students both background and experience in all aspects of the discipline and to promote creative research and innovative thinking on the human condition. The curriculum takes students through four broad levels of knowledge, critical thinking, and experience:

- Level-1 courses introduce the various subfields of anthropology, including archaeology and cultural and biological anthropology.
- Level-2 courses acquaint students with the diversity of the world’s present and past cultures by means of geographically oriented offerings on peoples of the Americas, Africa, Europe, Asia, and the Pacific, all of which are regions in which the faculty has been actively engaged in research.
- Level-3 courses apply this level of knowledge to particular cross-cultural issues and problems, such as economic development, religious experience, personality formation, poverty, health, social change, and research methods.
- Level-4 courses offer students the opportunity to apply their anthropology in advanced seminars, independent studies, and faculty-supervised field research projects in a variety of cultural settings in Ithaca, elsewhere in the United States, and internationally.

The anthropology program places a strong emphasis on student fieldwork as a crucial part of undergraduate training, and all majors in the department will be given the chance to engage in research and practical experience as part of their education.

Requirements for Honors in Anthropology

The process and criteria by which students may earn departmental honors to be awarded at graduation are fully
students cover some of the costs of attending conferences and presenting papers.

### Anthropology Major — B.A.

**Credits in the department**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 10400</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 10300</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 10700</td>
<td>World Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 30200</td>
<td>Anthropological Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>or equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 30500</td>
<td>Archaeological Methods and Techniques</td>
<td>4</td>
</tr>
<tr>
<td>or equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 30600</td>
<td>Biological Anthropology Methods and Techniques</td>
<td>4</td>
</tr>
<tr>
<td>or equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 45000</td>
<td>Anthropological Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional anthropology courses (24 credits), including at least 1 credit of:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 47001</td>
<td>Fieldwork and Research in Ethnography: Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 47002</td>
<td>Fieldwork and Research in Archaeology: Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 47500</td>
<td>Ethnographic Fieldwork</td>
<td>1 to 6</td>
</tr>
<tr>
<td>ANTH 47600</td>
<td>Archaeological Fieldwork</td>
<td>1 to 6</td>
</tr>
<tr>
<td>or equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 47700</td>
<td>Biological Anthropology Fieldwork</td>
<td>1 to 6</td>
</tr>
</tbody>
</table>

Subtotal: 39-40

**Note:** ANTH 37400 Archaeological Field School may substitute for Fieldwork and Research for students who also take ANTH 30500 Archaeological Methods and Techniques; ANTH 37100 Field School in Biological Anthropology may substitute for Fieldwork and Research for students who also take ANTH 30600 Biological Anthropology Methods and Techniques; no more than 6 credits of field or lab work, research, or internship may count toward the major.

**Credits outside the department**

Electives 80-81

Subtotal: 39-40

**Total, B.A. in anthropology** 120
At least 24 credits must be taken at Ithaca College. Acceptance of ANTH 30200 Anthropological Field Methods equivalency must be obtained prior to enrollment for such a course elsewhere. It is expected that most students choosing ANTH 30200 as their methods requirement will complete the course at Ithaca College.

Anthropology Minor
Requirements for the minor in anthropology
ANTH 10400 Cultural Anthropology 3
ANTH 10300 Biological Anthropology 3
ANTH 10700 World Archaeology 3
ANTH xxxxx Anthropology electives 9

Note: Anthropology electives must include at least one course on a non-Western culture area.

Total, minor in anthropology 18

Students who take ANTH 37400 Archaeology Field School or ANTH 47600 Archaeological Fieldwork and Research to fulfill minor requirements may receive only 3 credits toward the minor, comparable to any other anthropology course, and may not receive credit for both ANTH 37400 and ANTH 47600. Neither course may count as the non-Western course for the minor. Minors are required to take at least 15 credits at Ithaca College.

Department of Art

Bachelor of Arts, Bachelor of Fine Arts

Susan Weisend, Professor and Chair

The curriculum prepares students for graduate study in art and for careers as professional artists. Art majors are required to take at least two of the six introductory courses before taking classes above level 2. All classes meet twice a week.

Requirements for Honors in Art and Art Education

Any art major receiving either the B.A. or B.F.A. in art or the B.A. in art education wishing to pursue honors in art should submit a written proposal to the chair of the department before the end of the first semester of the student’s senior year. This proposal should include a request for a faculty sponsor who will work with the applicant in an advisory capacity. Honors awards will be based on three criteria: a full faculty review of the applicant’s portfolio, an oral presentation of the concepts and methodologies that are the basis for the production of the portfolio, and the applicant’s GPA. The portfolio should represent a body of work (e.g., solo exhibition or presentation). Portfolio presentations must be scheduled by the student to take place during the second semester of the senior year. In order to receive honors, the applicant must have a cumulative GPA of 3.50 or higher.

See ART courses (p. 362)

Art Major — B.A.

Required core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1200</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 1400</td>
<td>Introduction to Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 1500</td>
<td>Introduction to Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 1540</td>
<td>Introduction to Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 3000</td>
<td>Theories of Art Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18

Restricted electives within the department

Select 9 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2200</td>
<td>Intermediate Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 22100</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 2300</td>
<td>Intermediate Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 2500</td>
<td>Intermediate Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 2550</td>
<td>Intermediate Printmaking - Silk Screen</td>
<td>3</td>
</tr>
<tr>
<td>or ART 2560</td>
<td>Intermediate Printmaking - Lithography</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 9

Select 6 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3200</td>
<td>Advanced Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 3400</td>
<td>Advanced Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 3500</td>
<td>Advanced Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 3540</td>
<td>Advanced Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 3800</td>
<td>Computer Art and Animation</td>
<td>3</td>
</tr>
<tr>
<td>ART 3990</td>
<td>Independent Study: Art</td>
<td>1 to 4</td>
</tr>
<tr>
<td>ART 4950</td>
<td>Art Internship</td>
<td>1 to 4</td>
</tr>
<tr>
<td>ART 4990</td>
<td>Independent Study: Art</td>
<td>1 to 4</td>
</tr>
</tbody>
</table>

Subtotal: 6

Courses required in art history

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 11100</td>
<td>Episodes in Western Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 28500</td>
<td>Art since 1960</td>
<td>3</td>
</tr>
<tr>
<td>ARTH xxxxx</td>
<td>One additional art history course level-2 or above</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 9
Subtotal: 42

Summary
Total credits required for the program 42
Electives 78
Total, B.A. in art 120

Art Major — B.F.A.
Required core courses
ART 12000 Two-Dimensional Design 3
ART 13000 Introduction to Painting 3
ART 15000 Introduction to Sculpture 3
ART 15400 Introduction to Printmaking 3
ART 30000 Theories of Art Practice 3
ART 49000 Senior Project I 3
ART 49100 Senior Project II 3

Subtotal: 24

Restricted electives within the department
Select 12 credits from the following:
ART 22000 Intermediate Drawing 3
ART 22100 Figure Drawing 3
ART 23000 Intermediate Painting 3
ART 25000 Intermediate Sculpture 3
ART 25500 Intermediate Printmaking-Silk Screen 3
ART 25600 Intermediate Printmaking-Lithography 3
ART 27000 Book Design 3

Subtotal: 12

Select 12 credits from the following (independent studies and internships are restricted to one course each in the list of 12 credits):
ART 32000 Advanced Drawing 3
ART 34000 Advanced Painting 3
ART 35000 Advanced Sculpture 3
ART 35400 Advanced Printmaking 3
ART 38000 Computer Art and Animation 3
ART 39900 Independent Study: Art 1 to 4
ART 49500 Art Internship 1 to 4
ART 49900 Independent Study: Art 1 to 4

Subtotal: 12

Required courses outside the department
ARTH 11100 Episodes in Western Art 3
ARTH 28500 Art since 1960 3
CNPH 14100 Introduction to Photography 4
ARTH xxxx Four additional art history courses level-2 or above 12

Subtotal: 22

Subtotal: 70
Total credits required for the program 70
Electives 50
Total, B.F.A. in art 120

Art Education Major — B.A.
This program leads to K-12 New York State initial teaching certification.
Required courses in the department
ART 12000 Two-Dimensional Design 3
ART 12100 Three-Dimensional Design 3
ART 13000 Introduction to Drawing 3
ART 38000 Computer Art and Animation 3

Subtotal: 12

Restricted electives in the department
Select 6 credits (2 courses) from the following:
ART 14000 Introduction to Painting 3
ART 15000 Introduction to Sculpture 3
ART 15400 Introduction to Printmaking 3

Subtotal: 6

Select 9 credits (3 courses) from the following, with at least one advanced level:
ART 22000 Intermediate Drawing 3
ART 32000 Advanced Drawing 3
ART 23000 Intermediate Painting 3
ART 34000 Advanced Painting 3
ART 25000 Intermediate Sculpture 3
ART 35000 Advanced Sculpture 3
ART 25500 Intermediate Printmaking-Silk Screen 3
or
ART 25600 Intermediate Printmaking-Lithography 3
ART 35400 Advanced Printmaking 3
ART 22100 Figure Drawing 3
ART 27000 Book Design 3

Subtotal: 9

Required courses outside the department
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 11100</td>
<td>Episodes in Western Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 16000</td>
<td>Art Across Cultures</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 28500</td>
<td>Art since 1960</td>
<td>3</td>
</tr>
<tr>
<td>CNPH 14100</td>
<td>Introduction to Photography</td>
<td>4</td>
</tr>
<tr>
<td>ARTH xxxxx</td>
<td>One course at level-2 or above, chosen in consultation with your adviser</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

**Core education requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 10100</td>
<td>Literacy Education for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 20100</td>
<td>Technology for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 21910</td>
<td>Early Field Experience: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 22900</td>
<td>Second Language Acquisition: Its Nature and Meaning for Educators</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 23900</td>
<td>Educating Students with Special Needs in Diverse Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 21010</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 31410</td>
<td>Pedagogy and Practice for the Art Teacher</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 34000</td>
<td>Social and Cultural Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 40810</td>
<td>Pedagogy and Practice across the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 41210</td>
<td>Seminar in Reflective Practice</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 49810</td>
<td>Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.</td>
<td>12</td>
</tr>
<tr>
<td>EDUC 19210</td>
<td>Child Abuse Identification and Prevention</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 19220</td>
<td>Drug and Alcohol Abuse: Identification and Prevention</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 19230</td>
<td>School Violence Prevention</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 83

**Additional requirements**

1. All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may test out of this requirement by taking the language placement test and placing at level 2.

2. All teaching-option students must successfully complete a writing course numbered at WRTG 10600 or above.

3. All teaching-option students must maintain a minimum GPA of 3.0 in their subject.

4. Students must earn a grade of B or better in EDUC 40810 and EDUC 31410 to qualify for student teaching. A grade of B- does not qualify.

5. EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.

6. All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).

7. The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

**Electives** 37

**Total, B.A. in art education** 120

**Art Minor**

A faculty adviser will be appointed for each student taking a minor in art.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH xxxxx</td>
<td>Art History Elective (excluding ARTH 11000)</td>
<td>3</td>
</tr>
<tr>
<td>ART xxxxx</td>
<td>Studio courses (levels 2 and 3)</td>
<td>9</td>
</tr>
</tbody>
</table>

Select 6 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 12000</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 12100</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 13000</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 14000</td>
<td>Introduction to Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 15000</td>
<td>Introduction to Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 15400</td>
<td>Introduction to Printmaking</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total, minor in art** 18

**Department of Art History**

**Bachelor of Arts**

**Gary Wells, Professor and Chair**

Visual knowledge and visual experience are important paths to historical awareness and cultural literacy. Courses in art history and architectural studies will sharpen students’ ability to perceive and understand visual images and the built environment in a world where ideas and information are increasingly communicated through visual media. It will also deepen students’ understanding of history in general. Because visual artifacts eloquently express cultural values, students will learn to analyze works of art and architecture as carriers of political, social, and religious meanings. Our courses also enrich students’ lives by opening the door to a lifetime of aesthetic...
enjoyment, intellectual stimulation, and creative inspiration.

The department offers two majors, the B.A. in art history and the B.A. in architectural studies.

1. **The B.A. in art history.** This degree prepares students interested in pursuing careers in the arts or further study at the graduate level in the humanities. This major will also appeal to students who wish to study visual culture, human expression, or ideas through history. Students may elect an optional concentration in architectural history or in museum studies to further focus their studies.

2. **The B.A. in architectural studies.** This curriculum provides training for students interested in careers and master’s-level study in the design professions. This program combines coursework in architectural history and theory, sustainability studies, math, and physics with studio experiences in both art and architectural design to lay the groundwork for professional training and practice in architectural design, landscape architecture, historic preservation, urban design, and city planning. Note that the B.A. in architectural studies is a degree that does not qualify students to practice architecture. Students who want to practice architecture and become licensed architects may pursue an NAAB-accredited master of architecture program after completion of the B.A. in architectural studies, or the student may submit experience to the New York State Education Department that is acceptable to the New York State Board for Architecture totaling nine years after completion of the B.A. in architectural studies. Graduates of the B.A. in architectural studies would most likely need to pursue a three- to three-and-a-half-year master of architecture program in order to receive a master of architecture degree from an NAAB-accredited program.

The minor in art history complements studies in a wide variety of majors, among them studio art, cinema and photography, communications, literature, cultures, and languages.

### Requirements for Honors in Art History

The honors program in art history offers stimulating, advanced undergraduate training for art history and architectural studies majors who show particular promise in the field. Students interested in entering the program should apply to the chair of the department during their junior year and must meet the following requirements:

1. An overall GPA of 3.00 and a 3.50 average in art history courses.

2. Approval by the department faculty. The decision is based on the faculty's judgment of the student's preparation and motivation to do independent research, and on the availability of two or more members of the faculty to work with the student.

After consultation with the department and evaluation of the student’s ability to meet the requirements outlined above, the chair will give written notification of acceptance to the program.

Upon acceptance, the student agrees to do a 3-credit honors tutorial or honors independent study course during the fall semester of the senior year, under the guidance of one or more art history faculty members. (The honors course must be completed during the fall semester so that the decision regarding honors can be made in time to be included in graduation announcements.) Research done in this course culminates in an honors thesis, which is evaluated and graded by the faculty members who have agreed to work with the student. Architectural studies majors may include a design component as part of their thesis research. Honors are granted only to those students who receive a B or better on this project.

See ARTH courses (p. 365)

### Art History Major without a concentration — B.A.

#### Foundational Requirements

Select two of the following level-1 courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 11100</td>
<td>Episodes in Western Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 13500</td>
<td>Introduction to Visual Culture</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 11400</td>
<td>Architecture across Cultures</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTH 16000</td>
<td>Art Across Cultures</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course in architectural history at level-1 or level-2. (ARTH 11400 can count as either three credits at level-1 or as the architecture requirement, but not both.)

**Subtotal:** 9

A maximum of 9 credits at level-1 may count toward the major.

#### Level-2 Requirement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 20100</td>
<td>Practicing Art History</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One art history course focusing on</td>
<td></td>
</tr>
<tr>
<td></td>
<td>material before 1400</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One art history course focusing on</td>
<td></td>
</tr>
<tr>
<td></td>
<td>material from 1400 to 1750</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One art history course focusing on</td>
<td></td>
</tr>
<tr>
<td></td>
<td>material after 1750</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 12
Note: If a course satisfies one of these chronological requirements, it will be indicated in the course description. CNPH 24000 History of Photography may be used as a substitute for "one art history course focusing on material after 1750."

Art History Open Electives

| Electives in the art history department at level-2 or above | 6 |
| Two courses at level-3 | 6 |
| One additional course at level-3 or above | 3 |

Subtotal: 15

Note: Of the 12 required credits at level-3 or level-4 (including the senior experience), at least six must be in courses designated as LA.

Required Courses Outside the Art History Department

| ART xxxxx | Any course in the art department (CNPH 14100 Introduction to Photography may be used as a substitute for a course in the art department.) | 3 |

Language

| All art history majors are required to complete a foreign language with a letter grade through level-2 in the Department of Modern Languages and Literatures, or demonstrate equivalent proficiency as part of their major requirements. | 0-12 |

Subtotal: 3-15

Senior Experience

Select one of the following, to be completed in the senior year or during the summer preceding the senior year (or as approved by the department chair):

| ARTH 49000 Seminar in Art History | 3 |
| ARTH 49200 Tutorial in Art History | 3 |
| ARTH 49300 Exhibition Seminar | 3 |
| ARTH 49800 Senior Internship | 3 |
| ARTH 49700 Independent Study: Art History | 3 |

Subtotal: 3

Note: ARTH 49700 is for department honors thesis only.

Note: Majors who meet the prerequisite may take a seminar, tutorial, internship, or independent study before the summer preceding their senior year, but it will not count toward the "senior experience requirement." Majors must indicate their senior-year activities before the end of the second semester of their junior year by submitting a "senior experience plan form" (available from the department chair).

Subtotal: 42-54

Summary, art history major without a concentration

Total, foundational requirements | 9

Total, requirements at level-2 | 12

Total, art history open electives | 15

Total, required courses outside the department | 3-15

Total, senior experience | 3

Electives required to complete the art history degree | 63-78

Total, B.A. in art history without a concentration | 120

Art History with a Concentration in Architecture — B.A.

Foundational Requirements

| ARTH 11300 Elements of Architecture | 3 |
| ARTH 11400 Architecture across Cultures | 3 |
| ARTH 13500 Introduction to Visual Culture | 3 |
| ARTH 11100 Episodes in Western Art | 3 |
| ARTH 16000 Art Across Cultures | 3 |

Subtotal: 9

A maximum of 9 credits at level-1 may count toward the major.

Level-2 Requirement

| ARTH 20100 Practicing Art History | 3 |
| One art history course focusing on material before 1400 | 3 |
| One art history course focusing on material from 1400 to 1750 | 3 |
| One art history course focusing on material after 1750 | 3 |

Subtotal: 12

If a course satisfies one of these chronological requirements, it will be indicated in the course description. Six of these credits must be in architectural courses. CNPH 24000 History of Photography may be used as a substitute for "one art history course focusing on material after 1750."

Architecture Concentration

Select two of the following architecture courses:

| ARTH 23300 Great Spaces: An Introduction to Urban Design | 3 |
ARTH 31800 Memorable Cities 3
ARTH 35800 Form, Function, and Fantasy: Architecture since 1945 3
ARTH 38000 Studies in Architectural History and Theory 3

**Select three art history courses in any area, as follows:**

- ARTH 3xxxx Two art history courses at level-3 6
- One additional art history course at level-3 or above 3

**Subtotal: 15**

Note: Of the 12 required credits at level-3 or level-4 (including the senior experience), at least 6 must be in courses designated as LA.

**Required Courses Outside the Art History Department**

- ART xxxxx Any course in the art department (CNPH 14100 Introduction to Photography may be used as a substitute for a course in the art department.) 3

**Subtotal: 3-15**

**Senior Experience**

*Select one of the following, to be completed in the senior year or during the summer preceding the senior year (or as approved by the department chair):*

- ARTH 49000 Seminar in Art History 3
- ARTH 49200 Tutorial in Art History 3
- ARTH 49300 Exhibition Seminar 3
- ARTH 49800 Senior Internship 3
- ARTH 49700 Independent Study: Art History 3

The senior experience for students in the architectural concentration must have an architecture focus.

**Subtotal: 3**

Note: ARTH 49700 is for department honors thesis only.

Note: Majors who meet the prerequisite may take a seminar, tutorial, internship, or independent study before the summer preceding their senior year, but it will not count toward the "senior experience requirement." Majors must indicate the senior-year activities before the end of the second semester of their junior year by submitting a "senior experience plan form" (available from the department chair).

**Subtotal: 42-54**

**Summary, art history major with a concentration in architecture**

**Total, foundational requirements** 9

**Total, requirements at level-2** 12

**Total, architectural concentration** 15

**Total, required courses outside the department** 3-15

**Total, senior experience** 3

**Electives required to complete the art history degree** 63-78

**Total, B.A. in art history with a concentration in architecture** 120

---

**Art History with a Concentration in Museum Studies**

**Foundational Requirements**

*Select two of the following level-1 courses:*

- ARTH 11100 Episodes in Western Art 3
- ARTH 13500 Introduction to Visual Culture 3
- ARTH 11400 Architecture across Cultures 3 or
- ARTH 16000 Art Across Cultures 3

Select one course in architectural history at level-1 or level-2. (ARTH 11400 can count as either three credits at level-1 or as the architecture requirement, but not both.)

**Subtotal: 9**

Note: A maximum of 9 credits at level-1 may count toward the major.

**Level-2 Requirement**

- ARTH 20100 Practicing Art History 3
  - One art history course focusing on material before 1400 3
  - One art history course focusing on material from 1400 to 1750 3
  - One art history course focusing on material after 1750 3

**Subtotal: 12**

Note: If a course satisfies one of these chronological requirements, it will be indicated in the course description. CNPH 24000 History of Photography may be used as a substitute for "one art history course focusing on material after 1750."

**Museum Studies Concentration**
Museum studies courses in art history (12 credits):

- ARTH 29200 Introduction to Museology 3
- ARTH 39200 Museum Practices and Methods 3
- ARTH 39300 Exhibitions, Education, and Outreach 3
- or ARTH 39500 Performance, Institutional Critique, and the Museum 3
- ARTH 49400 Internship: Art History 1 to 4
- or ARTH 49500 Internship in Washington, D.C.: Art History 1 to 6

Arts management course

Select one:
- MGMT 11100 Introduction to Business 3
- MKTG 31200 Principles of Marketing 3
- THEA 25100 Theatre Organization and Management 3
- WRTG 31700 Proposal and Grant Writing 3

Note: MKTG 31200 and WRTG 31700 have prerequisites that the student is responsible for meeting.

Writing course

Select one:
- WRTG 20100 Argument 3
- WRTG 21300 Technical Writing 3

Subtotal: 18

Required Courses Outside the Art History Department

- ART xxxxx Any course in the art department (CNPH 14100 Introduction to Photography may be used as a substitute for a course in the art department.) 3
- Language All art history majors are required to complete a foreign language with a letter grade through level-2 in the Department of Modern Languages and Literatures, or demonstrate equivalent proficiency as part of their major requirements. 0-12

Subtotal: 3-15

Senior Experience

Select one of the following, to be completed in the senior year or during the summer preceding the senior year (or as approved by the department chair):

- ARTH 49000 Seminar in Art History 3
- ARTH 49200 Tutorial in Art History 3
- ARTH 49300 Exhibition Seminar 3
- ARTH 49800 Senior Internship 3

Subtotal: 3

Note: ARTH 49700 is for department honors thesis only.

Majors who meet the prerequisite may take a seminar, tutorial, internship, or independent study before the summer preceding their senior year, but it will not count toward the "senior experience requirement." Majors must indicate their senior-year activities before the end of the second semester of their junior year by submitting a "senior experience plan form" (available from the department chair).

Subtotal: 45-57

Summary, art history major with a concentration in museum studies

- Total, foundational requirements 9
- Total, requirements at level-2 12
- Total, museum studies concentration 18
- Total, required courses outside the department 3-15
- Total, senior experience 3
- Electives required to complete the art history degree 63-78
- Total, B.A. in art history with a concentration in museum studies 120

Architectural Studies Major — B.A.

Courses within the department

Required courses

- ARTH 11300 Elements of Architecture 3
- ARTH 11400 Architecture across Cultures 3
- ARTH 23300 Great Spaces: An Introduction to Urban Design 3
- ARTH 30100 Architectural Studio I: Fundamentals of Architectural Design and Drawing 4
- ARTH 30200 Architectural Studio II: Environmental Design and Digital Representation 4
- ARTH 48000 Senior Portfolio: Architecture 1

Architectural history restricted electives

Select 12 credits from the following, two courses from each category:

Category I

- ARTH 20900 Introduction to the Roman World 3
ARTH 22200 Architecture from Catacombs to Cathedrals 3
ARTH 23200 Architecture from Renaissance to Revolution 3
ARTH 24000 Nineteenth- and Twentieth-Century Architecture 3

Category II
ARTH 31800 Memorable Cities 3
ARTH 33100-33199 Studies in Art from Ancient to Renaissance 3
ARTH 35800 Form, Function, and Fantasy: Architecture since 1945 3
ARTH 38000-38099 Studies in Architectural History and Theory 3

Senior capstone
Select 3 credits from the following:
ARTH 49000 Seminar in Art History 3
ARTH 49200 Tutorial in Art History 3
ARTH 49800 Senior Internship 3
ARTH 49700 Independent Study: Art History 3

Note: ARTH 49000 and ARTH 49200 must have an architecture topic; ARTH 49800 must be an architecture placement. ARTH 49700 is for department honors thesis only.

Art history electives
Minimum of two level-1 or level-2 nonarchitecture courses in art history, with at least one at level 2 6

Courses outside the department
Required courses
PHYS 11700 Principles of Physics I: Mechanics 4
MATH 10800 Calculus for Decision Making 4
or
MATH 11100 Calculus I 4

Building sustainable societies
Select a minimum of 6 credits total, one course from each category below:

Category I
ENVS 11200 Sustainability Principles and Practice 3
ENVS 12000 Environmental Sentinels 4
ENVS 12100 Environmental Science & Technology 4

Category II
POLT 36600 Environmental Politics 3
HIST 27000 History of American Environmental Thought 3
HIST 24300 The City in United States History 3
PHIL 25000 Environmental Ethics 3
SOCI 20600 Urban Sociology 3

Art
ART 13000 Introduction to Drawing 3
ART 12000 Two-Dimensional Design 3
or
ART 12100 Three-Dimensional Design 3

Summary
Total, credits within the department 39
Total, credits outside the department 20
Electives 61
Total, B.A. in architectural studies 120

Art History Minor
Eighteen credits in art history courses, with no more than 6 credits in level 1 courses and at least 3 credits in courses at level 3 or above. Internships or independent studies may not count toward the requirement of at least 3 credits in courses at level 3 or above. Three credits of the following may be substituted for 3 credits of art history: any course in the art department (except in the case of art majors), and CNPH 24000 History of Photography or CNPH 14100 Introduction to Photography (except for majors in the Department of Cinema, Photography, and Media Arts).

Total, minor in art history 18

Biochemistry
Bachelor of Science — Joint major, biology and chemistry departments
The biochemistry major provides a strong background for graduate study in biochemical science, preparation for medical school or a career in the pharmaceutical, agricultural, environmental, and biotechnology
industries. The curriculum combines a strong background in relevant areas of chemistry and biology with focused study in biochemistry, including extensive laboratory courses that cover all major experimental techniques in biochemistry. Students may participate in a diverse array of research programs with faculty from the biology or chemistry departments. The capstone course integrates coursework and biochemical experimental techniques through study of current research results in biochemistry through exposure to the primary literature.

Requirements for Honors in Biochemistry

Students may apply for honors to the chairs of biology and chemistry no later than the second week of the senior year. They must have completed at least 3 credits of research at level 3 or above to qualify and must have a minimum overall GPA of 3.00 with a 3.30 average in all chemistry and biology courses.

If the application is approved, students conduct an honors project designed in consultation with an adviser from either the biology or chemistry faculty. An honors committee of no fewer than three faculty members, including the adviser, is selected from both biology and chemistry faculties, with at least one member from each department. The committee reviews the project periodically to monitor the student's progress.

An honors thesis is to be submitted by the student no later than three weeks before the date of graduation. The honors thesis is evaluated by the honors committee. An oral defense of the thesis, open to faculty and students of both departments, is made before the honors committee. Final approval comes from consultation of the honors committee and the chairs of biology and chemistry.

See BIOC courses

Biochemistry Major — B.S.

Biology

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<thead>
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<th>Credits</th>
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<td>BIOL 12200</td>
<td>Principles of Biology II, Ecology and Evolution</td>
<td>4</td>
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<td>BIOL 22700</td>
<td>Genetics</td>
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Subtotal: 16

Chemistry

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Subtotal: 4

Biochemistry

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<td>CHEM 12400</td>
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<td>CHEM 23200</td>
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<td>CHEM 32400</td>
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</tr>
<tr>
<td>CHEM 33100</td>
<td>Physical Chemistry I</td>
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Subtotal: 23

Biochemistry

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<td>BIOC 35400</td>
<td>Biochemistry: Molecular Biology of the Gene</td>
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<tr>
<td>BIOC 48100</td>
<td>Current Topics in Biochemistry</td>
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Subtotal: 10

Biology or chemistry

Select one course (3-4 credits):

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<th>Credits</th>
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<td>BIOL 37800</td>
<td>Environmental Toxicology</td>
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<td>BIOL 45200</td>
<td>Microbiology</td>
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<td>BIOL 47300</td>
<td>Plant Physiology</td>
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<td>Experimental Chemistry V</td>
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<td>CHEM 33200</td>
<td>Physical Chemistry II</td>
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<td>CHEM 34200</td>
<td>Inorganic Chemistry</td>
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<tr>
<td>CHEM 35600</td>
<td>Nuclear Magnetic Resonance</td>
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<td>CHEM 42100</td>
<td>Advanced Organic Chemistry</td>
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Physics

Select one sequence:

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<td>Introduction to Physics II</td>
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Subtotal: 8

Mathematics

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<tr>
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<td>MATH 11200</td>
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<td>MATH 14500</td>
<td>Statistics for the Health, Life, and Social</td>
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School of Humanities and Sciences

Subtotal: 8

Note: CHEM 34200 Inorganic Chemistry and biochemistry, biology, or chemistry research are recommended but not required.
Subtotal: 65
Total, required major courses 68-69
Electives 50-52
Total, B.S. in biochemistry 120

Department of Biology

Bachelor of Arts, Bachelor of Science

Andrew Smith, Associate Professor and Chair

The biology department offers a liberal arts education with a major in biology, giving a strong foundation for continued study at the graduate level. This curriculum also provides preparation for entering the health professions (dentistry, medicine, optometry, osteopathy, podiatry, and veterinary medicine) and paramedical fields. Other career opportunities exist in laboratories, pharmaceutical and chemical companies, governmental and environmental agencies, and other organizations that require personnel with a biology background.

The curriculum also allows for preparation and certification in secondary teaching in biology with either a major or a minor in biology.

Biology-Optometry 3-1 Program

This joint program with an optometry college is available to biology majors and enables students to enter optometry college after three years of undergraduate study. Ithaca College requirements for graduation, as well as most of the biology requirements, must be fulfilled during the first 90 credits of this program. After acceptance by the optometry college, and on successful completion of the first year of optometry college, the bachelor’s degree in biology is awarded by Ithaca College. This program must be carefully planned with the student’s adviser.

Requirements for Honors in Biology

Students with a minimum GPA in biology courses of 3.50 and an overall GPA of 3.30 may apply for honors after they have completed (or are currently enrolled in) BIOL 30200 Research in Biology but no later than the end of the junior year. Application must be made to the Biology Curriculum Committee for admission to honors. The application must include current GPAs (in biology and overall) and a one-page summary of the proposed research project. The curriculum committee reviews the qualifications of the applicants, certifies that faculty sponsorship has been obtained, and then makes its recommendations to the department. The faculty of the biology department votes on acceptance or rejection of the curriculum committee’s recommendation.

When a student is accepted for honors, an honors committee is formed, consisting of the faculty sponsor (project director) and two other faculty members, one of whom must be from the biology department. The student designs the yearlong honors project in consultation with the faculty sponsor and must write up a proposal describing this project, which is then submitted to the honors committee. The honors committee monitors the progress of the project and the academic performance of the student.

The student must write a paper summarizing his or her research and give an oral presentation to the department at the end of the second semester of the project. The honors committee will make the determination whether or not to grant honors in biology.

A detailed description of the honors requirements and deadlines is available from the faculty adviser.

Courses for Nonmajors

The biology department offers several courses of interest to the nonmajor. These courses have numbers between BIOL 10000 and BIOL 12000, and also include BIOL 20500.

Advanced Placement

Students who receive a score of 3, 4, or 5 on the Advanced Placement (AP) Biology exam will receive 3 credits for BIOL 11500 Essentials of Biology and 3 credits for BIOL 18888, a general, non-specific biology elective.

Off-Campus Study in Marine Biology

Students can participate in our cooperative programs with the Duke University Marine Lab (North Carolina and Bermuda) or the Sea Education Association of Wood’s Hole (with a variety of cruise tracks). For more information on these programs, see "National Affiliated Programs in Marine Biology" in the International Programs section.

See BIOL courses (p. 376)

Biology Major—B.A.

Biology

BIOL 12100 Principles of Biology I, Cell and Molecular 4
BIOL 12200 Principles of Biology II, Ecology and Evolution 4
BIOL 22700 Genetics 4
BIOL 27100 General Ecology 4
BIOL 30100 Literature in Biology 2
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<td>BIOL xxxxx</td>
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**Subtotal: 36-38**

Note: BIOL electives; one must be at level 3 or level 4.
BIOL electives: Courses that do not count as biology electives include any courses listed as required; any level-1 courses; BIOL 20000; BIOL 20500; BIOL 21000; BIOL 30000; BIOL 40000; BIOL 40100; BIOL 40200.
Biochemistry I and II (BIOC 35300 and BIOC 35400) and BIOC 48100 Current Topics in Biochemistry may count as biology electives.

**Chemistry**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHEM 12100</td>
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<tr>
<td>CHEM 23200</td>
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**Subtotal: 9**

Additional laboratory sequence in physics or chemistry

**Select one from the following:**

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<tr>
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<td>PHYS 11700</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
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<td>or</td>
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**Subtotal: 8-9**

**Mathematics**

**Select one of the following:**

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<thead>
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<th>Course</th>
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<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
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<tr>
<td>MATH 14500</td>
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**Subtotal: 4**

**Core education requirements**
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<tr>
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<td>Social and Cultural Foundations of Education</td>
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<td>Pedagogy and Practice across the Disciplines</td>
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<td>EDUC 41010</td>
<td>Pedagogy and Practice for the Science Teacher</td>
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<td>EDUC 19230</td>
<td>School Violence Prevention</td>
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</table>

**Subtotal: 39**

### Additional requirements

- All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may satisfy this requirement by taking the language placement test and placing at level 2.
- All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.
- All teaching-option students must maintain a minimum GPA of 3.0 in their subject.
- Students must earn a grade of B or better in EDUC 40810 and EDUC 41010 to qualify for student teaching. A grade of B- does not qualify.
- EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.
- All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).
- The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

### Summary

- **Total, biology courses**: 32-33
- **Total, science and mathematics courses outside the biology department**: 21-22
- **Total, core education courses**: 39
- **Electives**: 26-28
- **Total, B.A. in biology with teaching option**: 120

### Biology Major — B.S.

#### Required courses within the department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOL 12100</td>
<td>Principles of Biology I, Cell and Molecular</td>
<td>4</td>
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<tr>
<td>BIOL 12200</td>
<td>Principles of Biology II, Ecology and Evolution</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 22700</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 27100</td>
<td>General Ecology</td>
<td>4</td>
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<td>BIOL 30100</td>
<td>Literature in Biology</td>
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<td>BIOL 30200</td>
<td>Research in Biology</td>
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<tr>
<td>BIOL 35400</td>
<td>Cell Biology</td>
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<td>BIOL 41100</td>
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<tr>
<td>BIOL 41200</td>
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<tr>
<td>BIOL xxxxx</td>
<td>Three elective courses in biology</td>
<td>10-12</td>
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</table>

**Subtotal: 37-38**

Note: Courses that do not count as biology electives include any courses listed as required; any level-1 course; BIOL 20000; BIOL 20500; BIOL 21000; BIOL 30000; BIOL 40000; BIOL 40100; BIOL 40200. Biochemistry I and II (BIOC 35300 and BIOC 35400) and Current Topics in Biochemistry (BIOC 48100) may count as biology electives. Two of the three biology electives must have a lab or discussion component (a fourth hour). One of the three biology electives must be at level 3 or above. Required courses outside the department

### Chemistry

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CHEM 12100</td>
<td>Principles of Chemistry</td>
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<tr>
<td>CHEM 12300</td>
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<td>CHEM 12400</td>
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<td>2</td>
</tr>
<tr>
<td>CHEM 22100</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
</tbody>
</table>
CHEM 22200  Organic Chemistry II  3
CHEM 22500  Experimental Chemistry II  2
CHEM 23200  Quantitative Chemistry  3

Physics
PHYS 10100  Introduction to Physics I  4
PHYS 10200  Introduction to Physics II  4
or
PHYS 11700  Principles of Physics I: Mechanics  4
PHYS 11800  Principles of Physics II: Electricity and Magnetism  4

Mathematics
MATH 10800  Calculus for Decision Making  4
or
MATH 11100  Calculus I  4
and either
MATH 11200  Calculus II  4
or
MATH 14500  Statistics for the Health, Life, and Social Sciences  4

Subtotal: 33-34
Subtotal: 70-72

Summary
Total, biology courses  37-38
Total, required courses outside the department  33-34
Electives  48-50
Total, B.S. in biology  120

Biology Minor
The biology minor program provides an option for nonmajors who wish to take a substantial number of biology courses and receive recognition for their studies.

Requirements
Introductory biology sequence
BIOL 11900  Fundamentals of Biology  4
BIOL 12000  Fundamentals of Biology  4
or
BIOL 12100  Principles of Biology I, Cell and Molecular  4
BIOL 12200  Principles of Biology II, Ecology and Evolution  4

Biology electives
BIOL xxxx  Level-2 or higher courses in biology*  15-16

*Excluding BIOL 20000, BIOL 20500, BIOL 21000, BIOL 30000, BIOL 40000, BIOL 40100, and BIOL 40200. Biochemistry I and II (BIOC 35300 and BIOC 35400) may count.

Chemistry
CHEM 12100  Principles of Chemistry  4
CHEM 11200  Organic Chemistry and Biochemistry  3
or
CHEM 22100  Organic Chemistry I  3

Total, minor in biology  30-31

Department of Chemistry
Bachelor of Arts, Bachelor of Science
Vincent DeTuri, Associate Professor and Chair

The chemistry curriculum, approved by the American Chemical Society, provides an exceptionally strong foundation for further training at the graduate level. The department is nationally noted for its research program, and students are regularly involved in research publications. Approximately 80 percent of chemistry majors continue in postgraduate education to pursue a Ph.D. or M.D. immediately after graduation. Chemistry majors are well-prepared for a wide range of career opportunities, including medicine, dentistry, veterinary medicine, pharmacology, environmental science, toxicology, food science, forensic science, secondary school teaching, and engineering.

Chemical Engineering and Material Science
Students with an interest in chemical engineering can prepare for a career in this field by obtaining a bachelor of science degree at Ithaca College and then enrolling in a master of engineering program in chemical engineering from an engineering school. Students can concentrate their degree in an area of material science such as polymers, solar cells, batteries, superconductors, and semiconductors. The department offers several advanced electives covering recent trends in these areas, and several faculty have active research programs in these areas. The department curriculum is also designed to provide outstanding classroom and laboratory experience as preparation for a career in the chemical industry directly after graduation.

Requirements for Honors in Chemistry
To be awarded honors in chemistry, a student must have a minimum GPA of 2.80 overall and 3.30 in chemistry courses. A student may apply with a 2.75 overall GPA and a 3.00 in chemistry. Application must be made to the chair of the chemistry department no later than the first week of the senior year. The student must select an adviser and a research project.
The faculty of the Department of Chemistry reviews the qualifications of the applicant and either approves or disapproves the application. If the application is approved, the student must enroll in CHEM 49100 and CHEM 49200 Honors Research in Chemistry.

A final version of an honors thesis reporting the results of a research investigation must be submitted to the adviser not later than three weeks before the expected date of graduation. The student must defend the thesis before a committee of no fewer than three members of the chemistry faculty. Faculty from other departments may be included if the topic is interdisciplinary.

See CHEM courses (p. 384)

Chemistry Major—B.A.

Courses in the department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 12100</td>
<td>Principles of Chemistry</td>
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</tr>
<tr>
<td>or</td>
<td>CHEM 12300</td>
<td>Principles of Chemistry - Enriched Section</td>
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<tr>
<td>CHEM 12400</td>
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<td>CHEM 22500</td>
<td>Experimental Chemistry II</td>
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<td>CHEM 23200</td>
<td>Quantitative Chemistry</td>
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<td>CHEM 32400</td>
<td>Experimental Chemistry III</td>
<td>3</td>
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<td>CHEM 32500</td>
<td>Experimental Chemistry IV</td>
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<td>CHEM 32600</td>
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<td>CHEM 33100</td>
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<td>CHEM 34200</td>
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Subtotal: 39

Courses outside the department

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Subtotal: 16

Electives

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Subtotal: 65

Total, B.A. in chemistry 120

Chemistry Major—B.S.

(American Chemical Society-approved degree)

Courses in the department

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Subtotal: 42

Restricted electives

Select 6 credits of the following:

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<td>CHEM 34200</td>
<td>Polymer Chemistry</td>
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<td>CHEM 35600</td>
<td>Nuclear Magnetic Resonance</td>
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<td>CHEM 43200</td>
<td>Bio-Organic Chemistry</td>
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<td>CHEM 44200</td>
<td>Computational Chemistry</td>
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<tr>
<td>CHEM 44400</td>
<td>Chemical Applications of Group Theory</td>
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<tr>
<td>CHEM 45200</td>
<td>Instrumental Analysis</td>
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Subtotal: 6

Courses outside the department

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Subtotal: 19

Subtotal: 67

Total, credits in the major 67

Electives 53

Total, B.S. in chemistry 120

Chemistry Major — B.A. with Teaching Option

Courses in chemistry

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Subtotal: 39

Courses in related science

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Subtotal: 16

Core education requirements

<table>
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<td>Literacy Education for the Middle/Secondary School Teacher</td>
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<td>Technology for the Middle/Secondary School Teacher</td>
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<td>EDUC 19210</td>
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<tr>
<td>EDUC 19230</td>
<td>School Violence Prevention</td>
<td>3</td>
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</table>

Subtotal: 39

Subtotal: 94

Additional requirements

- All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may satisfy this requirement by taking the language placement test and placing at level 2.
- All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.
- All teaching-option students must maintain a minimum GPA of 3.0 in their subject.
- Students must earn a grade of B or better in EDUC 40810 and EDUC 41010 to qualify for student teaching. A grade of B- does not qualify.
• EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.

• All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant’s intended teaching certificate (type, grade levels, and subject areas).

• The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

Summary

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Total, chemistry courses</td>
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<tr>
<td>Total, science and mathematics courses</td>
<td>16</td>
</tr>
<tr>
<td>Total, core education courses</td>
<td>39</td>
</tr>
<tr>
<td>Electives</td>
<td>26</td>
</tr>
<tr>
<td>Total, B.A. in chemistry with teaching</td>
<td>120</td>
</tr>
</tbody>
</table>

Chemistry Major — B.S. with Teaching Option

Core courses in the department

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 12100</td>
<td>Principles of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td>Principles of Chemistry - Enriched Section</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 12300</td>
<td>Experimental Chemistry I</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 21100</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 22200</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 22500</td>
<td>Experimental Chemistry II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 23200</td>
<td>Quantitative Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 32400</td>
<td>Experimental Chemistry III</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 32500</td>
<td>Experimental Chemistry IV</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 32600</td>
<td>Experimental Chemistry V</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 33100</td>
<td>Physical Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 33200</td>
<td>Physical Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 34200</td>
<td>Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 48700</td>
<td>Chemistry Seminar</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 48800</td>
<td>Chemistry Capstone</td>
<td>3</td>
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</tbody>
</table>

Research in Chemistry

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 19100</td>
<td>Research in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 19200</td>
<td>Research in Chemistry</td>
<td>1 to 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 29100</td>
<td>Research in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 29200</td>
<td>Research in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 39100</td>
<td>Research in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 39200</td>
<td>Research in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 49100</td>
<td>Honors Research in Chemistry</td>
<td>3 to 4</td>
</tr>
<tr>
<td>CHEM 49200</td>
<td>Honors Research in Chemistry</td>
<td>3 to 4</td>
</tr>
<tr>
<td>BIOC 35300</td>
<td>Biochemistry: Protein Structure &amp; Function</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>BIOC 35400</td>
<td>Biochemistry: Molecular Biology of the Gene</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 35400</td>
<td>Polymer Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 35600</td>
<td>Nuclear Magnetic Resonance</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 42100</td>
<td>Advanced Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 42200</td>
<td>Advanced Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 43200</td>
<td>Bio-Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4400</td>
<td>Computational Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 44400</td>
<td>Chemical Applications of Group Theory</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 45200</td>
<td>Instrumental Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 48100</td>
<td>Selected Topics in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 48200</td>
<td>Selected Topics in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 49100</td>
<td>Honors Research in Chemistry</td>
<td>3 to 4</td>
</tr>
<tr>
<td>CHEM 49200</td>
<td>Honors Research in Chemistry</td>
<td>3 to 4</td>
</tr>
</tbody>
</table>

Subtotal: 42

Required courses in related science

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 35300</td>
<td>Biochemistry: Protein Structure &amp; Function</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 19

Restricted electives

Select 3 credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 35400</td>
<td>Biochemistry: Molecular Biology of the Gene</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 35400</td>
<td>Polymer Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 35600</td>
<td>Nuclear Magnetic Resonance</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 42100</td>
<td>Advanced Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 42200</td>
<td>Advanced Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 43200</td>
<td>Bio-Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4400</td>
<td>Computational Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 44400</td>
<td>Chemical Applications of Group Theory</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 45200</td>
<td>Instrumental Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 48100</td>
<td>Selected Topics in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 48200</td>
<td>Selected Topics in Chemistry</td>
<td>1 to 3</td>
</tr>
<tr>
<td>CHEM 49100</td>
<td>Honors Research in Chemistry</td>
<td>3 to 4</td>
</tr>
<tr>
<td>CHEM 49200</td>
<td>Honors Research in Chemistry</td>
<td>3 to 4</td>
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</table>

Subtotal: 3

Core education requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 10100</td>
<td>Literacy Education for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 20100</td>
<td>Technology for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 21910</td>
<td>Early Field Experience: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 22900</td>
<td>Second Language Acquisition: Its Nature and Meaning for Educators</td>
<td>2</td>
</tr>
</tbody>
</table>
EDUC 23900  Educating Students with Special Needs in Diverse Classrooms  3
PSYC 21010  Educational Psychology  3
EDUC 34000  Social and Cultural Foundations of Education  3
EDUC 40810  Pedagogy and Practice across the Disciplines  3
EDUC 41010  Pedagogy and Practice for the Science Teacher  3
EDUC 41210  Seminar in Reflective Practice  3
EDUC 49810  Professional Semester in Education  12
EDUC 19210  Child Abuse Identification and Prevention  3
EDUC 19220  Drug and Alcohol Abuse: Identification and Prevention  3
EDUC 19230  School Violence Prevention  3

Subtotal: 39

Additional requirements

- All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may satisfy this requirement by taking the language placement test and placing at level 2.
- All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.
- All teaching-option students must maintain a GPA of 3.0 in their subject.
- Students must earn a grade of B or better in EDUC 40810 and EDUC 41010 to qualify for student teaching. A grade of B- does not qualify.
- EDUC 49810 Professional Semester in Education and the EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.
- All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).
- The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

Summary

Total, chemistry courses  42-45
Total, science and mathematics courses outside  19

Chemistry Minor

A minor in chemistry may be appealing to natural science majors, premedical students, or majors in any discipline with some interest in chemistry. The courses required for the minor are the foundation courses for a chemistry major and two advanced courses in chemistry. Principles of Chemistry is an introductory course covering atomic structure, bonding, molecular shape, intermolecular interactions, reaction types, and thermochemistry. Organic Chemistry focuses on the chemistry of carbon compounds. Quantitative Chemistry completes the lecture foundation, emphasizing a quantitative approach to chemical equilibrium, chemical kinetics, chemical thermodynamics, and electrochemistry. In addition, students will be expected to complete 140 hours of laboratory instruction.

Physical Chemistry I or Physical Chemistry II is also required for the minor. These courses go beyond the material presented in the first four semesters and are required for many advanced electives. Physical Chemistry I focuses on energy flow in chemical reactions and physical processes. There are numerous applications in Physical Chemistry I, including the chemistry of biochemical systems (such as protein kinetics) and industrial applications (such as engine efficiency and electrochemistry). Physical Chemistry II is a course on quantum mechanics relating to how matter is put together and behaves at the atomic level and molecular level.

Chemistry Seminar is a capstone course in which students participate in the seminar program and meet with invited speakers, attend the weekly chemistry seminars, and present a topic of interest to the department. The presentation topic is typically a research project in chemistry or biochemistry but could also be a project relating to chemistry or a literature presentation relating to chemistry.

To successfully complete the minor, students must also meet prerequisite requirements for courses outside of chemistry, completing either Calculus for Decision Making or Calculus II and completing either Introduction to Physics II or Principles of Physics II.

The chemistry minor is not open to biochemistry majors, due to the course overlap.

Required courses in the department

CHEM 12100  Principles of Chemistry  4
SCHOOL OF HUMANITIES AND SCIENCES

CHEM 12400 Experimental Chemistry I  2
CHEM 22100 Organic Chemistry I  3
CHEM 22200 Organic Chemistry II  3
CHEM 22500 Experimental Chemistry II  2
CHEM 23200 Quantitative Chemistry  3
CHEM 48700 Chemistry Seminar  1

Subtotal: 18

Required courses outside the department

Physics

Choose one sequence:

PHYS 11700 Principles of Physics I: Mechanics  4
PHYS 11800 Principles of Physics II: Electricity and Magnetism  4

or

PHYS 10100 Introduction to Physics I  4
PHYS 10200 Introduction to Physics II  4

Mathematics

MATH 10800 Calculus for Decision Making  4

or

MATH 11100 Calculus I  4
MATH 11200 Calculus II  4

Subtotal: 16

Restricted electives

Select one course

CHEM 33100 Physical Chemistry I  3
CHEM 33200 Physical Chemistry II  3

Subtotal: 3

Total, minor in chemistry  37

Department of Communication Studies

Bachelor of Arts

Laurie Arliss, Professor and Chair

Communication studies is the home of Ithaca College’s liberal arts approaches to understanding human interaction in its many forms. Students and faculty in the Department of Communication Studies seek to understand the way in which culture both affects and results from communication, as they explore a diversity of communication forms, practices, and organizations in an increasingly complex global culture. The department emphasizes small, interactive classes and close student-faculty interaction; its courses and cocurricular activities both provide a foundation in communication theory and skills and encourage multiple avenues of inquiry within which students can craft their own meaningful academic experiences.

The department offers two majors and two minors.

The communication studies major combines theory and practice in classes that focus on how, why, and with what effects people communicate — creating and sharing meaning, whether it be in the workplace, an informal gathering of friends, a family celebration, or a nationwide political process (to name just a few possibilities). A major in communication studies develops competence in theoretical analysis as well as the practical implementation of communication. The program is recommended for students who want a broad liberal arts background as preparation for careers in such fields as public relations, business, government, social services, and law, or for graduate study.

The culture and communication major is offered in cooperation with the Roy H. Park School of Communication and other departments at the College. This interdisciplinary program makes connections between two areas of inquiry: the study of how culture informs and shapes all aspects of communication, and its corollary area of investigation — how communication is the process through which culture is created, modified, and challenged. To explore these relationships, students consider culture and communication from a variety of intellectual perspectives across schools and divisions at the College. A degree in culture and communication prepares students for graduate study, whether law school or business school, or master’s and doctoral programs in a range of critical studies areas. Students interested in this major should contact the coordinator, Bruce Henderson, professor of communication studies, 422 Muller Center.

The minors offered in the department — communication studies and health communication — allow considerable flexibility so that a student can select courses which best complement his or her major. Those seeking a broad disciplinary focus can opt for the communication studies minor. Health communication is an interdisciplinary minor. All minors must be declared through consultation with the departmental chair; minor advisers guide students in course selection.

Communication Studies, B.A. (p. 138)
Culture and Communication, B.A. (p. 138)
Communication Studies Minor (p. 139)
Health Communication Minor (p. 139)

Requirements for Honors in Communication Studies

Departmental honors are awarded based on a senior project done under the sponsorship of a faculty member and its successful defense in an oral examination conducted by a faculty committee. A cumulative GPA of 3.50 is required.
Students must propose the project by the end of the penultimate semester before graduation and must complete it by the middle of the semester they plan to graduate. See CLTC courses (p. 389)

### Communication Studies Major—B.A.

#### Required courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 11000</td>
<td>Public Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 12000</td>
<td>Communication, Culture, &amp; Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>CMST 14000</td>
<td>Small Group Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 14900</td>
<td>Fundamentals of Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 21500</td>
<td>Argumentation &amp; Debate</td>
<td>3</td>
</tr>
<tr>
<td>CMST 23000</td>
<td>Analysis and Performance of Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

#### Restricted electives

**Select 12 credits in applications in communication studies:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 22600</td>
<td>Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 24300</td>
<td>Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>CMST 31100</td>
<td>Advanced Public Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 32400</td>
<td>Rhetoric and Social Order</td>
<td>3</td>
</tr>
<tr>
<td>CMST 33200</td>
<td>Folklore and Cultural Performances</td>
<td>3</td>
</tr>
<tr>
<td>CMST 33300</td>
<td>Analysis and Performance of Prose</td>
<td>3</td>
</tr>
<tr>
<td>CMST 33400</td>
<td>Group Performance of Literature</td>
<td>3</td>
</tr>
<tr>
<td>CMST 33500</td>
<td>Analysis and Performance of Poetry</td>
<td>3</td>
</tr>
<tr>
<td>CMST 34600</td>
<td>Gender and Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 34700</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 34800</td>
<td>Family Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 38900</td>
<td>Selected Topics in Communication Studies</td>
<td>3</td>
</tr>
<tr>
<td>CMST 39700</td>
<td>Direct Readings</td>
<td>1 to 4</td>
</tr>
<tr>
<td>CMST 42900</td>
<td>Seminar in Public Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 43900</td>
<td>Seminar in Literary and Cultural Performances</td>
<td>3</td>
</tr>
<tr>
<td>CMST 44900</td>
<td>Seminar in Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 45100</td>
<td>Communication and Social Influence</td>
<td>3</td>
</tr>
<tr>
<td>CMST 49500</td>
<td>Internship: Communication Studies</td>
<td>1 to 12</td>
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</tbody>
</table>

**Select 6 credits in theories of communication studies:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 32600</td>
<td>Classical Theories of Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>CMST 32700</td>
<td>Modern and Contemporary Theories of Rhetoric</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 35300</td>
<td>Language and Social Interaction</td>
<td>3</td>
</tr>
<tr>
<td>CMST 45900</td>
<td>Seminar in Communication Theory</td>
<td>3</td>
</tr>
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</table>

**Select 3 credits in research methods in communication studies:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 32800</td>
<td>The Uses and Methods of Communication Criticism</td>
<td>3</td>
</tr>
<tr>
<td>CMST 34100</td>
<td>Communication Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 6 credits of electives in communication studies:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST xxxx</td>
<td>Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

Note: At least 3 credits must be taken at level 3 or 4, and 1 credit at level 4.

**Subtotal: 18**

#### Summary

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, required courses</td>
<td>18</td>
</tr>
<tr>
<td>Total, restricted electives</td>
<td>27</td>
</tr>
<tr>
<td>Unrestricted electives</td>
<td>75</td>
</tr>
<tr>
<td><strong>Total, B.A. in communication studies</strong></td>
<td>120</td>
</tr>
</tbody>
</table>

Communication studies majors have 75 elective credits, but they are encouraged to elect at least one 18- to 27-credit sequence outside the department as a minor concentration or cognate area. No more than two grades below a C (2.00) will be accepted in courses toward fulfilling requirements of the major.

### Culture and Communication Major — B.A.

Majors must complete six core courses and one foundation course for each area of inquiry, satisfy the requirements for a minor in a complementary field, achieve foreign-language proficiency, and complete the full requirements for one of four areas of inquiry. The areas of inquiry are international and intercultural communication, media and cultural studies, organizational culture and technology, and visual and cinema studies. In addition to work in the four foundation areas, students select liberal arts courses from a wide range of areas, including English, art history, theater arts, web development, sociology, music, politics, modern languages and literatures, business, and health policy studies.

#### Foundation courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLTC 10000</td>
<td>Introduction to Culture and Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 12000</td>
<td>Communication, Culture, &amp; Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>CLTC 48000</td>
<td>Senior Seminar in Culture and Communication</td>
<td>3</td>
</tr>
<tr>
<td>TVR 22000</td>
<td>Global Flow of Information</td>
<td>3</td>
</tr>
<tr>
<td>TVR 12100</td>
<td>Introduction to Mass Media</td>
<td>3</td>
</tr>
</tbody>
</table>
CNPH 10100  Introduction to Film Aesthetics and Analysis  3

Subtotal: 18

Communication skills (6 credits)

Two courses designed to develop skills in oral, written, digital and/or media communication. Students must take at least two courses designed to develop these types of skills from a list provided by the coordinator and department. At least one course must be at level-2 or above.

Research methods/perspectives (3 credits)

One course that focuses on communications research perspectives and/or methodologies, related to the student’s interests and area of concentration. A list of appropriate courses will be available from the coordinator.

Concentration (18 credits)

These concentrations allow students to develop an area of expertise through interdisciplinary upper-level coursework. The following are requirements for the concentrations:

1. must consist of at least six courses
2. at least three courses must be at level 3 or 4
3. courses taken for Foundation, Research Perspectives, or Communication Skills requirements cannot also be counted as part of the concentration
4. concentrations will be self-designed by the student in collaboration with the program’s coordinator, with a thesis statement describing the focus and connections between the courses
5. all concentrations must be submitted for approval by the Culture and Communication Steering Committee by the end of the student’s sophomore year.

Although the concentrations do not require a credit-bearing internship or study abroad, students are encouraged to seek such opportunities either for credit or as part of a summer experience.

Language requirement (0-12 credits)

Majors are required to complete a foreign language through the intermediate level or to demonstrate proficiency as part of their degree requirements. This may require up to four courses, depending on the level of proficiency demonstrated.

Required minor

Majors are also required to complete a minor outside of communication studies.

Subtotal: 18

Total, credits in the major  45-57

Total, B.A. in culture and communication  120

Minors

Communication Studies Minors

Requirements

<table>
<thead>
<tr>
<th>Subtotal: 18</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
</tr>
</tbody>
</table>

Total, minor in communication studies  18

Health Communication Minor

Requirements

| STCM 11000  Presentation Media and Visual Design  3 |
| CMST 11000  Public Communication  3 |
| CMST 11500  Business & Professional Comm  3 |
| CMST 22600  Health Communication  3 |
| HLTH 22600  Health Communication  3 |
| HLTH 20500  Critical Health Issues  3 |

Select one course from the following:

| STCM 10800  Communication in Organizations  3 |
| CMST 14000  Small Group Communication  3 |
| CMST 14900  Fundamentals of Interpersonal Communication  3 |
| CMST 15000  Introduction to Communication Theory  3 |
| CMST 21500  Argumentation & Debate  3 |
| CMST 31100  Advanced Public Communication  3 |
| CMST 35300  Language and Social Interaction  3 |

Health policy/analysis

Select one course from the following:

| ECON 30400  Economics of Health Care  3 |
| POLT 36500  The Politics of Health  3 |
| PHIL 23000  Bioethics  3 |
| SOCI 31400  Sociology of Health and Medicine  3 |
| SOCI 31600  Women and Health  3 |
| ANTH 48000  Medical Anthropology  3 |
| HLTH 25000  International Health Issues  3 |
| HLTH 30400  Economics of Health Care  3 |
| HLTH 15200  Introduction to Health and Physical Education  3 |

Applications/technology

Select one course from the following:

| STCM 15000  Professional Applications of Technology  3 |
| HLTH 31700  Community Health  3 |
| HLTH 33000  Health Promotion in the Workplace  3 |
creators of media and technology or as entrepreneurs discipline of emerging media whether as designers and produce graduates who will be leaders within the evolving products successful. The mis organizational and consumer change that make new media sound economic models, and promoting the kinds of structures, opportunities, designing concepts, employing storytelling emerging media technologies: identifying computation to provide students with a unique skill set in combining coursework in new media platforms and media Science in the School of Humanities and Sciences, Department of Communications and the Department of Computer Department of Television Radio in the Roy H. Park Sch.

Major in Emerging Media
The B.S. in emerging media, a partnership between the Department of Television-Radio in the Roy H. Park School of Communications and the Department of Computer Science in the School of Humanities and Sciences, combines coursework in new media platforms and media computation to provide students with a unique skill set in emerging media technologies: identifying market opportunities, designing concepts, employing storytelling structures, creating and using software tools, developing sound economic models, and promoting the kinds of organizational and consumer change that make new media products successful. The mission of this program is to produce graduates who will be leaders within the evolving discipline of emerging media whether as designers and creators of media and technology or as entrepreneurs creating media products. Because new media are inherently multidisciplinary, integrating artistic creativity with computational expertise, this program takes an integrative approach to the education of our graduates — while still maintaining a strong disciplinary focus.

Students entering through the Department of Computer Science take the media computation concentration, emphasizing computational systems design and development. Students entering through the Department of Television-Radio take either the media design and production concentration or the media entrepreneurship concentration, emphasizing the creative design and promotion of new genres and platforms for emerging media. All students share a substantive common core, then branch out into the concentrations to develop their specialties, and finally come back together in two upper-level project courses where they will work as teams to design, develop, and pitch a new media product, such as an “app” for an iPhone, a new form of gaming or entertainment genre, or an innovative educational simulation.

Minors
The computer science department offers several minors designed to help students effectively incorporate technology in a diverse array of fields:

1. The minor in computer science provides general computational skills that enable students not only to use computers and computer applications, but also to extend and combine applications to make them more effective.

2. The minor in web programming helps students gain a deep understanding of how to create engaging and effective websites while also ensuring that they have a thorough knowledge of the fundamentals that enable them to quickly adapt to emerging web technologies.

3. The minor in game development focuses on the concepts central to the design and implementation of games and on understanding the structure of the technologies behind games.

Minimum Grade for Prerequisites
A grade of C- or better is required for a course in computer science to fulfill a prerequisite for another computer science course.

Advanced Placement
Students can receive credit and advanced placement in COMP 17100 Principles of Computing Science I with a grade of 4 or 5 on the College Board Advanced Placement examination.

See COMP courses (p. 399)
Computer Science Major — B.A.

Core courses in the department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 11500</td>
<td>Discrete Structures for Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>COMP 17100</td>
<td>Principles of Computing Science I</td>
<td>4</td>
</tr>
<tr>
<td>COMP 17200</td>
<td>Principles of Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>COMP 21000</td>
<td>Introduction to Computer Organization and Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 22000</td>
<td>Introduction to Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>COMP 31100</td>
<td>Algorithms and Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>COMP 32100</td>
<td>Programming Languages</td>
<td>4</td>
</tr>
<tr>
<td>COMP 34500</td>
<td>Introduction to Software Engineering</td>
<td>4</td>
</tr>
<tr>
<td>COMP 47500</td>
<td>Senior Project</td>
<td>3</td>
</tr>
<tr>
<td>COMP xxxxx</td>
<td>Three additional courses in Computer Science</td>
<td>10-12</td>
</tr>
<tr>
<td></td>
<td>-one course at level-2, 3, or 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-one course at level-3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-one course at level-4</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 45-47

Note: COMP 49300 and COMP 49800 cannot be counted as computer science electives.

Restricted electives in the department

Select three courses (one of which must be at level 4) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 22500</td>
<td>HCI: User Interface Design and Development</td>
<td>4</td>
</tr>
<tr>
<td>COMP 31000</td>
<td>Implementation of Computer Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 33000</td>
<td>Introduction to Virtual Reality</td>
<td>4</td>
</tr>
<tr>
<td>COMP 36500</td>
<td>Computer Networks</td>
<td>4</td>
</tr>
<tr>
<td>COMP 37500</td>
<td>Database Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 39000</td>
<td>Selected Topics in Computer Science</td>
<td>1-4</td>
</tr>
<tr>
<td>COMP 41100</td>
<td>Formal Languages and Automata</td>
<td>4</td>
</tr>
<tr>
<td>COMP 41500</td>
<td>Computer Graphics</td>
<td>4</td>
</tr>
<tr>
<td>COMP 46100</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>COMP 49000</td>
<td>Selected Topics in Computer Science</td>
<td>1-4</td>
</tr>
</tbody>
</table>

Subtotal: 9-12

Note: Students must take three credits of COMP 39000 and COMP 49000.

Courses outside the department

Mathematics

Select one course from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 14400</td>
<td>Statistics for Business, Economics and</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 61-66

Summary

Total, requirements for the major: 51-54

Unrestricted electives: 63-66

Total, B.A. in computer science: 120

---

Computer Science Major — B.S.

Core courses in the department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 11500</td>
<td>Discrete Structures for Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>COMP 17100</td>
<td>Principles of Computing Science I</td>
<td>4</td>
</tr>
<tr>
<td>COMP 17200</td>
<td>Principles of Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>COMP 21000</td>
<td>Introduction to Computer Organization and Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 22000</td>
<td>Introduction to Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>COMP 31100</td>
<td>Algorithms and Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>COMP 32100</td>
<td>Programming Languages</td>
<td>4</td>
</tr>
<tr>
<td>COMP 34500</td>
<td>Introduction to Software Engineering</td>
<td>4</td>
</tr>
<tr>
<td>COMP 47500</td>
<td>Senior Project</td>
<td>3</td>
</tr>
<tr>
<td>COMP xxxxx</td>
<td>Four additional courses in computer science</td>
<td>12-16</td>
</tr>
<tr>
<td></td>
<td>-two courses at level-2, 3, or 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-one course at level-3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-one course at level-4</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 47-51

Note: COMP 49300 and COMP 49800 cannot be counted as computer science electives.

Restricted electives in the department

Select four courses (one of which must be at level 4) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 22500</td>
<td>HCI: User Interface Design and Development</td>
<td>4</td>
</tr>
<tr>
<td>COMP 31000</td>
<td>Implementation of Computer Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 32100</td>
<td>Programming Languages</td>
<td>4</td>
</tr>
<tr>
<td>COMP 33000</td>
<td>Introduction to Virtual Reality</td>
<td>4</td>
</tr>
<tr>
<td>COMP 36500</td>
<td>Computer Networks</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 61-66

Summary

Total, requirements for the major: 51-54

Unrestricted electives: 63-66

Total, B.S. in computer science: 120

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### Courses outside the department

**Mathematics**
- **MATH 11100** Calculus I 4
- **MATH 11200** Calculus II 4
- **MATH 14400** Statistics for Business, Economics and Management 4
- **MATH 21600** Introduction to Mathematical Statistics 3

**Laboratory science sequence**

Select one sequence from the following:
- **PHYS 11700** Principles of Physics I: Mechanics 4
- **PHYS 11800** Principles of Physics II: Electricity and Magnetism 4
- **CHEM 12100** Principles of Chemistry 4
- **CHEM 12400** Experimental Chemistry I 2
- **BIOL 12200** Principles of Biology II, Ecology and Evolution and either
- **CHEM 22100** Organic Chemistry I 3
- **BIOL 12100** Principles of Biology I, Cell and Molecular or
- **PSYC 10300** General Psychology 3
- **PSYC 11300** Introduction to Research in Psychology 2
- **PSYC 33000** Cognition 3
- **PSYC 10300** General Psychology 3
- **PSYC 31200** Behavioral Neuroscience Lab 1

**Science elective**

Additional 3-4 credits of any biology, chemistry, or physics course required for biology, chemistry, or physics majors, or any psychology course designated as a natural science, or MATH 21100 or MATH 23100.

**Oral communication**

Select one course from the following:
- **CMST 11000** Public Communication 3
- **CMST 11500** Business & Professional Comm 3
- **CMST 14000** Small Group Communication 3

Subtotal: 76-88

**Summary**

Total, requirements in the department 47-51
Total, requirements outside the department 24-28
Electives 41-49

**Total, B.S. in computer science** 120

### Emerging Media Major — B.S.

Students in the School of Humanities and Sciences enroll in the media computation concentration; students in the Roy H. Park School of Communications enroll in either the media design and production concentration or the media entrepreneurship concentration.

**Core requirements**
- **GCOM 13000** S'Park!: Igniting your Future in Communications 1
- **TVR 12400** Introduction to Media Industries 4
- **STCM 12300** Systems Thinking and Design 3
- **COMP 17100** Principles of Computing Science I 4
- **COMP 17200** Principles of Computer Science II 4
- **COMP 20200** Computational Foundation of Emerging Media 4
- **TVR 21400** Design of New Media: Theory, Function and Analysis 4
- **TVR 32001-32099** Topics in Media Technology 4
- **COMP 38500** Emerging Media Project 4
SCHOOL OF HUMANITIES AND SCIENCES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 38500</td>
<td>Emerging Media Project</td>
<td>4</td>
</tr>
<tr>
<td>COMP 48500</td>
<td>Emerging Media Capstone</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TVR 48500</td>
<td>Emerging Media Capstone</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal:** 36

**Media Computation Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 11500</td>
<td>Discrete Structures for Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>COMP 22000</td>
<td>Introduction to Data Structures</td>
<td>4</td>
</tr>
</tbody>
</table>

**Select one of the following level-2 electives:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 20500</td>
<td>Advanced Web Programming</td>
<td>4</td>
</tr>
<tr>
<td>COMP 20700</td>
<td>Game Development and Technologies</td>
<td>4</td>
</tr>
<tr>
<td>COMP 22500</td>
<td>HCI: User Interface Design and Development</td>
<td>4</td>
</tr>
</tbody>
</table>

**Select three of the following level-3 or level-4 courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 33000</td>
<td>Introduction to Virtual Reality</td>
<td>4</td>
</tr>
<tr>
<td>COMP 35400</td>
<td>Intelligent Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 37500</td>
<td>Database Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 41500</td>
<td>Computer Graphics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal:** 24

**Media design and production concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNPH 10400</td>
<td>Story: From Cave Paintings to Emerging Media</td>
<td>3</td>
</tr>
<tr>
<td>TVR 10500</td>
<td>Introduction to Audio</td>
<td>2</td>
</tr>
<tr>
<td>TVR 11500</td>
<td>Introduction to Field Production</td>
<td>4</td>
</tr>
<tr>
<td>TVR 12200</td>
<td>Introduction to Media Aesthetics and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNPH 10100</td>
<td>Introduction to Film Aesthetics and Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 8-10 credits from the following (at least one course must be at level 3 or above):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 20700</td>
<td>Game Development and Technologies</td>
<td>4</td>
</tr>
<tr>
<td>TVR 21500</td>
<td>Fiction Field Production 1</td>
<td>4</td>
</tr>
<tr>
<td>TVR 27100</td>
<td>Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>CNPH 32400</td>
<td>Advanced Cinema Production: Animation</td>
<td>4</td>
</tr>
<tr>
<td>TVR 30900</td>
<td>Motion Graphics and Animation</td>
<td>4</td>
</tr>
<tr>
<td>TVR 31000</td>
<td>Experimental Media: Production and Criticism</td>
<td>4</td>
</tr>
<tr>
<td>STCM 30300</td>
<td>Serious Games</td>
<td>3</td>
</tr>
<tr>
<td>STCM 37100</td>
<td>Websites that Work</td>
<td>3</td>
</tr>
</tbody>
</table>

**STCM 38000** E-Learning 3
**TVR 40000** Topics in Media Production 1 to 4

**Subtotal:** 20-22

Note: TVR 27100, CNPH 32400, TVR 31000, TVR 31000, STCM 30300, STCM 37100, CNPH 43205, and TVR 40000 have prerequisites that the student is responsible for meeting.

**Media entrepreneurship concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVR 26000</td>
<td>Quantitative Mass Media Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>TVR 21100</td>
<td>New Media Business and Economics</td>
<td>4</td>
</tr>
<tr>
<td>TVR 22000</td>
<td>Global Flow of Information</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 31200</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>TVR 31200</td>
<td>Government and Media</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TVR 31300-31399</td>
<td>Topics in Media Law and Policy</td>
<td>4</td>
</tr>
<tr>
<td>TVR 46000</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 19-20

Note: MKTG 31200 has prerequisites that the student is responsible for meeting.

**Other requirements**

**Media computation concentration**

- Students are required to complete general education requirements as detailed by the School of Humanities and Sciences.

**Media production and design concentration and media entrepreneurship concentration**

- Students are required to complete a minor outside the Park School (in consultation with their adviser) that complements their course of study.
- Students are required to fulfill current TV-R department general education requirements.
- Students are required to complete 60 credit hours of coursework outside the Park School.
- Students are encouraged to spend a semester off campus (e.g., study abroad or the IC Los Angeles Program).

All majors are required to complete 60 credits of liberal arts in order to complete the requirement of a B.S. degree.

All majors are required to maintain an overall 2.5 GPA to remain in the emerging media degree program. Students are required to earn a C- or better in all required courses in the emerging media curriculum in order for the course to be applied to the degree (not including general education or outside minor courses).
Summary

Total, credits in the major: 55-60
Electives (including 16-29 liberal arts credits in general education and minor courses): 60-65
Total, emerging media B.S.: 120

Computer Science Minor

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 11500</td>
<td>Discrete Structures for Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>COMP 17100</td>
<td>Principles of Computing Science I</td>
<td>4</td>
</tr>
<tr>
<td>COMP 17200</td>
<td>Principles of Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>COMP 22000</td>
<td>Introduction to Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>COMP xxxxx</td>
<td>Select two additional computing courses</td>
<td>6-8</td>
</tr>
<tr>
<td></td>
<td>at level 2 or above (excluding COMP 20500),</td>
<td></td>
</tr>
<tr>
<td></td>
<td>at least one of which must be at level 3 or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>above</td>
<td></td>
</tr>
</tbody>
</table>

Total, minor in computer science: 22-24

Note: No course, with the exception of COMP 17100, may be used to satisfy both a computer science minor and any requirements of a mathematics major or minor.

An overall average of C (2.00) is required in computer science/mathematics courses used to fulfill the minimum course requirements for the minor.

Game Development Minor

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 10600</td>
<td>Multimedia Programming</td>
<td>3</td>
</tr>
<tr>
<td>COMP 10700</td>
<td>Introduction to 2D Game Development</td>
<td>4</td>
</tr>
<tr>
<td>COMP 17100</td>
<td>Principles of Computing Science I</td>
<td>4</td>
</tr>
<tr>
<td>COMP 17200</td>
<td>Principles of Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>COMP 20700</td>
<td>Game Development and Technologies</td>
<td>4</td>
</tr>
<tr>
<td>COMP 22500</td>
<td>HCI: User Interface Design and Development</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>COMP 33000</td>
<td>Introduction to Virtual Reality</td>
<td>4</td>
</tr>
</tbody>
</table>

Total, minor in game development: 23

Web Programming Minor

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 10500</td>
<td>Introduction to Website Development</td>
<td>3</td>
</tr>
<tr>
<td>COMP 10600</td>
<td>Multimedia Programming</td>
<td>3</td>
</tr>
<tr>
<td>COMP 17100</td>
<td>Principles of Computing Science I</td>
<td>4</td>
</tr>
</tbody>
</table>

Column 2:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 17200</td>
<td>Principles of Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>COMP 20500</td>
<td>Advanced Web Programming</td>
<td>4</td>
</tr>
<tr>
<td>COMP 22500</td>
<td>HCI: User Interface Design and Development</td>
<td>4</td>
</tr>
</tbody>
</table>

Total, minor in web programming: 22

Department of Economics

Bachelor of Arts, Bachelor of Science

Elia Kacapyr, Professor and Chair

The Department of Economics curricula offer majors broad coverage of the economic discipline and opportunities for specialization in any of several major areas, such as analytical, quantitative, or international economics. General courses are also available for students in other disciplines who want to gain an understanding of economics.

The curricular offerings are a B.A. in economics, a B.S. in applied economics (both housed in the Department of Economics), and a B.A. in mathematics-economics (housed in the Department of Mathematics). The B.A. in economics is a traditional liberal arts degree, with a core set of requirements surrounded by elective courses. The applied economics curriculum includes policy courses in the economics department and finance and accounting courses in the School of Business. Both the B.S. and the B.A. programs offer students a wide range of career and graduate school options. No more than one grade below C- is allowed in courses required for the B.S. in applied economics or the B.A. in economics.

Requirements for Honors in Economics

The honors program for economics, applied economics, and mathematics-economics majors is designed to encourage in-depth study and research. For economics department honors, a special honors paper is required; it may be an extension or improvement of a previously submitted paper. Students majoring in economics, applied economics, and mathematics-economics with an overall cumulative GPA of 3.00 and a GPA of at least 3.30 in economics courses may qualify for honors in economics. The student selects an economics faculty member as a sponsor and tutor. The research should be conducted during the fall and spring semesters of the student’s senior year. The student is required to defend the honors paper before a committee of tutorial instructors and the chair of the department. The committee approves, at its discretion, departmental honors for individual students.

See ECON courses (p. 410)

Economics Major—B.A.

Credits in the department
ECON 12100 Principles of Macroeconomics 3
ECON 12200 Principles of Microeconomics 3
ECON 32100 Money and Banking 3
ECON 32500 Public Finance 3
ECON 33000 Econometrics I 3
ECON 34100 Micro Analysis 3
ECON 34200 Macro Analysis 3
ECON 41100 International Economics 3
ECON 49200 Special Problems in Economics (Tutorial) 3
ECON xxxxx Economics electives 9

Subtotal: 36

Credits outside the department
Select one course from the following:
MATH 10700 Fundamentals of Applied Calculus 4
MATH 10800 Calculus for Decision Making 4
MATH 11100 Calculus I 4

Select one course from the following:
MATH 14400 Statistics for Business, Economics and Management 4
MATH 14500 Statistics for the Health, Life, and Social Sciences 4
MATH 21600 Introduction to Mathematical Statistics 3
MATH 31600 Probability 3

Select one additional mathematics elective:
MATH xxxxx Mathematics elective 3-4

Other outside credits
Social science 6

Subtotal: 16-18

Subtotal: 52-54
Electives 66-68

Total, B.A. in economics 120

Applied Economics Major—B.S.

Credits in the major — economics
ECON 12100 Principles of Macroeconomics 3
ECON 12200 Principles of Microeconomics 3
ECON 22000 Managerial Economics 3
ECON 32100 Money and Banking 3
ECON 32200 Monetary Theory and Policy 3
or
ECON 38200 Economics of Growth 3
ECON 32500 Public Finance 3
ECON 33000 Econometrics I 3
ECON 34100 Micro Analysis 3
ECON 34200 Macro Analysis 3
ECON 37200 Industrial Organization Economics 3
ECON 41100 International Economics 3
ECON 49200 Special Problems in Economics (Tutorial) 3
ECON xxxxx Economics electives 6

Subtotal: 42

Credits in the major — business
ACCT 22500 Financial Accounting 3
ACCT 22600 Management Accounting 3
FINA 31100 Business Finance 3
FINA 32100 Security Analysis and Portfolio Management Business electives 6

Credits outside the major departments
Select one course from the following:
MATH 10700 Fundamentals of Applied Calculus 4
MATH 10800 Calculus for Decision Making 4
MATH 11100 Calculus I 4

Select one course from the following:
MATH 14400 Statistics for Business, Economics and Management 4
MATH 14500 Statistics for the Health, Life, and Social Sciences 4
MATH 21600 Introduction to Mathematical Statistics 3
MATH 31600 Probability 3

Select one additional mathematics elective:
MATH xxxxx Mathematics elective 3-4

Other outside credits — communication studies elective
Select one course from the following:
CMST 11000 Public Communication 3
CMST 11500 Business & Professional Comm 3
CMST 21500 Argumentation & Debate 3

Subtotal: 42
Open electives 45-47

Total, B.A. in applied economics 120
Mathematics-Economics Major—B.A.

See the degree requirements in the Department of Mathematics (p. 162).

Economics Minor

Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 12100</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 12200</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON xxxxx</td>
<td>Economics electives</td>
<td>12</td>
</tr>
<tr>
<td>MATH xxxxx</td>
<td>Mathematics electives</td>
<td>4</td>
</tr>
</tbody>
</table>

Total, minor in economics 22

Department of Education

Jeane Copenhaver-Johnson, Associate Professor and Chair

The Department of Education coordinates all teacher education programs, both undergraduate and graduate, for the School of Humanities and Sciences. In addition to providing courses required for H&S teacher education programs, the department offers a number of open elective courses. The department also promotes educational outreach for teacher education programs campuswide by sponsoring seminars, workshops, and conferences for teachers and prospective teachers. It administers a number of formal partnerships with area schools, including Partnership in Teaching, Access to College Education (ACE), Ithaca College-South Hill School Partnership, Ithaca College-Boynton Middle School Partnership, and the Ithaca College-Frederick Douglass Academy Partnership.

The Office of Teaching and Certification, housed in the Department of Education, assists all teacher education students with issues pertaining to teacher certification. This office also maintains data on all student teacher placements, facilitates mentor-teacher payments, and serves as the chief liaison with the New York State Education Department on all teacher education matters.

Unit-Wide Assessment Systems in Ithaca College Teacher Education Programs

The All-College Teacher Education Unit at Ithaca College requires all teacher education students, regardless of program area, to be reviewed at four programmatic transition points during their course of study. Continuation in a teacher education major is contingent upon the student successfully meeting the requirements of each transition point review; therefore, admission into one of the Ithaca College Teacher Education Program majors at admission or upon transfer to the College does not guarantee that a student will be allowed to participate in the semester-long student teaching/externship experience or to be a program completer eligible for teaching certification. The four unit-wide assessment reviews students must successfully complete occur at the following transitions in a student’s program: (1) Admission to Professional Education, (2) Admission to Student Teaching/Externship, (3) Completion of Student Teaching/Externship, and (4) Completion of Program. As part of these reviews, student progress in meeting the eight Ithaca College Teacher Education Standards, the New York State Teaching Standards, the IC Teacher Education Professional Qualities and Dispositions, and, if applicable, the standards of the relevant Specialized Professional Association is assessed by program-specific reviewers. Specific details about programs’ particular requirements and procedures, including supports for students who do not meet the criteria for a review, may be found in the handbooks of individual teacher education programs.

Undergraduate teaching certification programs are offered in the following areas:

School of Health Sciences and Human Performance

- Health Education (p. 75)
- Health Education and Physical Education (p. 78)
- Physical Education (p. 73)

School of Humanities and Sciences

- Art (p. 121)
- Biology (p. 130)
- Chemistry (p. 134)
- English (p. 149)
- French (p. 169)
- German (p. 170)
- Mathematics (p. 163)
- Mathematics-Computer Science (p. 165)
- Physics (p. 176)
- Social Studies (p. 161)
- Spanish (p. 171)

School of Music

- Music Education (p. 217)
- Performance/Music Education (p. 225)

Overall, Ithaca College students who complete the teacher preparation program consistently score in the 98th percentile or higher on the New York State teacher certification exams. For more information, see the website for the New York State Education Department’s Office of Teaching Initiatives.

See EDUC courses (p. 414)
Required Core Program

The following required core program is for all teacher education candidates in the School of Humanities and Sciences. For requirements in other schools’ teacher education programs, see the listings under those schools.

EDUC 10100  Literacy Education for the Middle/Secondary School Teacher  2
EDUC 20100  Technology for the Middle/Secondary School Teacher  2
PSYC 21010  Educational Psychology  3
EDUC 21910  Early Field Experience: Theory and Practice  3
EDUC 22900  Second Language Acquisition: Its Nature and Meaning for Educators  2
EDUC 23900  Educating Students with Special Needs in Diverse Classrooms  3
EDUC 34000  Social and Cultural Foundations of Education  3
EDUC 40810  Pedagogy and Practice across the Disciplines  3
EDUC 31410  Pedagogy and Practice for the Art Teacher  4
or
EDUC 40510  Pedagogy and Practice for the Mathematics Teacher  3
or
EDUC 41010  Pedagogy and Practice for the Science Teacher  3
or
EDUC 41110  Pedagogy and Practice for the English Teacher  3
or
EDUC 40910  Pedagogy and Practice in the Teaching of Social Studies  3
or
EDUC 41310  Pedagogy and Practice of Teaching Languages Other Than English  3
EDUC 41210  Seminar in Reflective Practice  3
EDUC 49810  Professional Semester in Education  12
EDUC 19210  Seminar in Reflective Practice  3
EDUC 19220  Drug and Alcohol Abuse: Identification and Prevention  3
EDUC 19230  School Violence Prevention  3

Subtotal: 39-40

Additional Requirements

1. All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may satisfy this requirement by taking the language placement test and placing at level 2 or above. Some departments require two years of language study; consult departmental requirements.

2. All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.

3. All teaching-option students must maintain a minimum GPA of 3.0 in their subject.

4. Students must earn a grade of B or better in the pedagogy sequence to qualify for student teaching. A grade of B- does not qualify. The pedagogy sequence is EDUC 40810 and the appropriate disciplinary "Pedagogy and Practice" course as specified in individual department degree requirements.

5. EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.

6. All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).

7. The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

8. During the semester of student teaching, the student may not play a college sport.

Department of English

Bachelor of Arts

Claire Gleitman, Professor and Chair

The English curriculum provides a broad chronological study of Western literature from ancient to modern, as well as concentrated study in British, American, and world literature. In cooperation with the College’s Department of Education, it also provides a program through which prospective secondary school teachers can apply for New York State teaching certification after graduation.

Since departmental requirements and course offerings often change between catalog printings, students should be aware that the most current information concerning the English major can be obtained from the student’s adviser, from the chair of the department, or from the department administrative assistant. Each semester the department publishes detailed descriptions of literature courses.
planned for the following semester; these listings can be found on the English Department’s website.

Requirements for Honors in English

Students with a sufficiently high grade point average in all their courses receive their degree with College honors. Students who fulfill the appropriate departmental requirements also graduate with honors in their major. To qualify to pursue honors in English, a student must have completed eight of the twelve English courses that the curriculum requires and must receive a grade of A- or higher in four of these courses.

A student who pursues departmental honors will undertake an extensive research project beginning in the fall semester of the senior year. In the spring semester, the project will conclude with the presentation and defense of a lengthy thesis paper. This paper should offer an original analytical argument and should reflect a sustained engagement with contemporary critical discourse. Over the course of the academic year the student will work closely on his or her project with a faculty adviser, who will offer guidance in gathering primary and secondary literature for the project and provide feedback during the various stages of its development. When the thesis is complete and, in the judgment of the faculty adviser, ready to defend, the student will submit it to the thesis committee. The distinction of honors will be conferred by the committee following a successful oral defense of the thesis.

Detailed requirements for the honors project are available from the department administrative assistant. Students who wish to earn departmental honors are advised to inform the chair as early in their college careers as possible so that they can ascertain well in advance appropriate courses, readings, and faculty sponsors for the project.

See ENGL courses (p. 417)

English Major—B.A.

Introductory courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 11300</td>
<td>Introduction to Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 20100</td>
<td>Approaches to Literary Study</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 21900</td>
<td>Shakespeare</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 9

Periods of literature before 1900

Select three courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 23200</td>
<td>Medieval Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 27100</td>
<td>Renaissance Literature</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 37300</td>
<td>Renaissance Drama</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 27200</td>
<td>The Enlightenment (1660-1770)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 28100</td>
<td>Romantic-Victorian Literature</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 37700</td>
<td>Nineteenth-Century British Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 31900</td>
<td>Great American Writers before 1890</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 9

Literature of the 20th and 21st centuries

Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 21600</td>
<td>Contemporary British Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 21800</td>
<td>Modern and Contemporary American Drama</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 31200</td>
<td>Dramatic Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 32000</td>
<td>Great American Writers after 1890</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 35000</td>
<td>Imagining Herself: Women’s Autobiography</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 36300</td>
<td>Irish Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 37800</td>
<td>Twentieth-Century British Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 38200-38300</td>
<td>Studies in Modern Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 38400</td>
<td>Modern British Women Writers</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

World and multicultural literature

Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 21100</td>
<td>Jewish-American Writers</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 22000</td>
<td>Black Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 22100</td>
<td>Survey of African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 23100</td>
<td>Ancient Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 36900</td>
<td>Studies in Multicultural American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 37100</td>
<td>Studies in African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 38000</td>
<td>Studies in World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 38600-38603</td>
<td>Studies in Indian Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

English electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL xxxxx</td>
<td>English elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 30000-49900</td>
<td>Any ENGL course</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 40000-49900</td>
<td>Any ENGL course</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 12

Note: ENGL 49500 and ENGL 49900 may be taken only once for credit toward the English major; ENGL 49802 may not be counted toward the major.

Foreign-language proficiency requirement

Foreign language through the intermediate level (or demonstrated equivalent proficiency) 12

Summary
Total, required English courses 36
Total, foreign language proficiency 0-12
Electives 72-84
Total, B.A. in English 120

English Major—B.A. with Teaching Option

Introductory courses
ENGL 11300 Introduction to Poetry 3
ENGL 20100 Approaches to Literary Study 3
ENGL 21900 Shakespeare 3
Subtotal: 9

Periods of literature before 1900
Select three from the following:
ENGL 23200 Medieval Literature 3
ENGL 27100 Renaissance Literature 3
or
ENGL 37300 Renaissance Drama 3
ENGL 27200 The Enlightenment (1660-1770) 3
ENGL 28100 Romantic-Victorian Literature 3
or
ENGL 37700 Nineteenth-Century British Novel 3
ENGL 31900 Great American Writers before 1890 3
Subtotal: 9

Literature of the 20th and 21st centuries
Select one course from the following:
ENGL 21600 Contemporary British Fiction 3
ENGL 21800 Modern and Contemporary American Drama 3
ENGL 31200 Dramatic Literature II 3
ENGL 32000 Great American Writers after 1890 3
ENGL 35000 Imagining Herself: Women’s Autobiography 3
ENGL 36300 Irish Literature 3
ENGL 37800 Twentieth-Century British Novel 3
ENGL 38200-38300 Studies in Modern Literature 3
ENGL 38400 Modern British Women Writers 3
Subtotal: 3

World and multicultural literature
Select one course from the following:
ENGL 22000 Black Women Writers 3
ENGL 22100 Survey of African American Literature 3
ENGL 36900 Studies in Multicultural American Literature 3

Subtotal: 3

Foreign-language proficiency requirement
Foreign language through the first semester of the intermediate level (or demonstrated equivalent proficiency) 0-9

Core education courses
EDUC 10100 Literacy Education for the Middle/Secondary School Teacher 2
EDUC 20100 Technology for the Middle/Secondary School Teacher 2
EDUC 21910 Early Field Experience: Theory and Practice 3
EDUC 22900 Second Language Acquisition: Its Nature and Meaning for Educators 2
EDUC 23900 Educating Students with Special Needs in Diverse Classrooms 3
PSYC 21010 Educational Psychology 3
EDUC 34000 Social and Cultural Foundations of Education 3
EDUC 40810 Pedagogy and Practice across the Disciplines 3
EDUC 41110 Pedagogy and Practice for the English Teacher 3
EDUC 41210 Seminar in Reflective Practice 3
EDUC 49810 Professional Semester in Education 12

Subtotal: 3
EDUC 19210  Child Abuse Identification and Prevention
EDUC 19220  Drug and Alcohol Abuse: Identification and Prevention
EDUC 19230  School Violence Prevention

Subtotal: 39

Subtotal: 78

Additional requirements

- All teaching-option students must successfully complete a year of college-level study in a language other than English. All English majors are required to complete a foreign language through the intermediate level or demonstrate equivalent proficiency as part of their major requirements.

- All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.

- All teaching-option students must maintain a minimum GPA of 3.0 in their subject.

- Students must earn a grade of B or better in EDUC 40810 and EDUC 41110 to qualify for student teaching. A grade of B- does not qualify.

- EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.

- All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).

- The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

Summary

Total, English requirements 39
Total, foreign language proficiency 0-9
Total, education requirements 39
Electives 32-41
Total, B.A. in English with teaching option 120

English Minor

Of the courses counted toward the 21 required credits, no more than 6 credits shall be in any one area. Students who wish to declare the English minor must do so, at the latest, in the semester before the semester in which they graduate.

Requirements

ENGL 11300  Introduction to Poetry 3
ENGL 21900  Shakespeare 3
ENGL 30000-49900 Literature electives 6

Total, minor in English 21

Comparative Literature Minor

There are 21 credits in the minor (of which 9 credits must be level 3 or 4).

General literature

Select two courses from the following (only one may be an “Introduction” course):

ENGL 10700  Introduction to Literature 3
ENGL 11000  Introduction to Fiction 3
ENGL 23100  Ancient Literature 3
ENGL 23200  Medieval Literature 3
ENGL 27100  Renaissance Literature 3
ENGL 36500  Studies in the Novel 3
ENGL 38200  Studies in Modern Literature 3
ENGL 41000  Seminar in Medieval English Literature 3
ENGL 43000  Seminar in the English Renaissance 3
ENGL 48000  Seminar in Literary Criticism 3

Subtotal: 6

European literature

All of the following courses:

FREN 31200  French Literature in Translation 3
SPAN 26600  Spanish/Latin American Literature in Translation 3

Subtotal: 9

Note: Students proficient in a foreign language may substitute 3 credits of literature in the foreign language.

British literature

Select one course from the following:

ENGL 21600  Contemporary British Fiction 3
ENGL 21900  Shakespeare 3
ENGL 27200  The Enlightenment (1660-1770) 3
ENGL 3xxxx - 4xxxx Any level-3 or level-4 course in British literature 3

Subtotal: 3

American literature

Select one course from the following:

ENGL 10500  Introduction to American Literature 3
ENGL 31900  Great American Writers before 1890 3
ENGL 32000  Great American Writers after 1890 3

Subtotal: 3
ENGL 37000  American Poetry  3
ENGL 37200  Studies in American Literature  3
ENGL 47000  Seminar in American Literature before 1890  3

Subtotal: 3

Note: Students with no prior college-level literature courses are advised to begin this minor with a level-1 introductory course. Courses taken for the comparative literature minor may not be counted toward the English major or minor, nor toward the major or minor in modern languages and literatures.

Subtotal: 21

Total, minor in comparative literature  21

Department of Environmental Studies and Sciences

Bachelor of Arts, Bachelor of Science

Jason Hamilton, Associate Professor and Chair

The Department of Environmental Studies and Sciences offers two majors. Environmental studies focuses on the human dimension, including practical application, values, and aesthetics, while providing a strong science background. Environmental science focuses on the sciences and prepares students to conduct original research designed to solve environmental problems in the context of social values and economic and political reality.

Each year the Department of Environmental Studies and Sciences accepts a limited number of internal transfer students. Information and application forms are available on the department website. Applications are reviewed twice per semester: after the first week of classes and after midterm grades are available. In addition to the requirements for transfer into the School of Humanities and Sciences, students must have received at least a B+ in one ENVS course. Meeting the requirements to apply for transfer to a degree program in Environmental Studies and Sciences does not guarantee admission.

See ENVS courses (p. 424)

Environmental Studies Major — B.A.

Environmental Studies is an interdisciplinary major dealing with questions and issues that pertain to the interaction between humanity and nature. No one discipline can cover such a broad topic; consequently, students in this major are required to develop considerable intellectual breadth. The core curriculum requires not only a significant amount of science, but also perspective areas in policy, economics, ecology, and social-cultural realms. Majors in both environmental studies and environmental science share a cultural immersion requirement and the senior capstone experience — an applied project — which integrates the experiences of students with different skills and training and prepares them for graduate school or environmental careers. All students participate in Senior Research and Capstone Discussion Group. Together these two courses constitute the capstone experience, providing all students with the opportunity to integrate various elements of their education and become prepared for graduate school or environmental careers.

Required courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVS 10100</td>
<td>Environmental Seminar I</td>
<td>0.5</td>
</tr>
<tr>
<td>ENVS 12000</td>
<td>Environmental Sentinels</td>
<td>4</td>
</tr>
<tr>
<td>ENVS 12100</td>
<td>Environmental Science &amp; Technology</td>
<td>4</td>
</tr>
<tr>
<td>ENVS 22000</td>
<td>Human-Environment Geography</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 22100</td>
<td>Interdisciplinary Physical Science</td>
<td>4</td>
</tr>
<tr>
<td>MATH 14400</td>
<td>Statistics for Business, Economics and Management</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>MATH 14500</td>
<td>Statistics for the Health, Life, and Social Sciences</td>
</tr>
<tr>
<td>or</td>
<td>MATH 21600</td>
<td>Introduction to Mathematical Statistics</td>
</tr>
<tr>
<td>HIST 27000</td>
<td>History of American Environmental Thought</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 32200</td>
<td>Environmental Methods: Sampling, Surveying, Statistics and Analysis</td>
<td>4</td>
</tr>
<tr>
<td>ENVS 40100</td>
<td>Environmental Seminar II</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Cultural Immersion Experience (see below for more information)

Subtotal: 26-27

Perspective area requirement

Select one course from each of the following areas:

<table>
<thead>
<tr>
<th>Perspective</th>
<th>Courses Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecological</td>
<td>(from list of approved ecological-based courses available from department)</td>
</tr>
<tr>
<td>Policy</td>
<td>(from list of approved policy-based courses available from department)</td>
</tr>
<tr>
<td>Economic</td>
<td>(from list of approved economics-based courses available from department)</td>
</tr>
<tr>
<td>Social and Cultural</td>
<td>(from list of approved social/cultural-based courses available from department)</td>
</tr>
</tbody>
</table>

Subtotal: 13

Capstone experience

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVS 45000</td>
<td>Senior Research</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 45100</td>
<td>Capstone Discussion Group</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 4

Cultural Immersion requirement
This requirement is designed to help students discover alternative ways of addressing environmental problems by developing an insider’s view that can help broaden their perspectives as well as provide sources for innovative solutions. To satisfy this non-credit-bearing requirement, students must complete an experiential service or community-based learning activity and put their communication skills to use with diverse audiences. Students can choose from a wide variety of experiences to satisfy this requirement, but each cultural immersion experience must meet the following criteria:

1. It must be related to environmental studies or science in some way.
2. It must include at least 40 hours of direct involvement with people from a culture or socioeconomic class other than what the student has experienced to date.
3. It must be a deeper, more critical cultural immersion experience than travel or observation alone, and it should provide opportunities for students to evaluate situations from local people’s perspective.
4. It should enable students to acquire an awareness of how their own culture informs them about other cultures and is used subjectively to make sense of cultural differences.
5. It requires students to be active participants in the culture, and not just observers; in other words, students should strive to be in a situation where some of their daily comforts and predictability are different or absent.

Students must develop a written proposal for their cultural immersion experience, obtain approval in advance, document their experience through written reflection and an electronic portfolio, and present their portfolio as part of the Capstone Discussion Group course in their senior year. The application form is available on the ENVS website.

**Concentration**

Concentrations of 15 credits allow students to develop an area of expertise through interdisciplinary upper-level coursework. The following are requirements for concentrations:

1. At least five courses
2. Level-1 courses are prohibited.
3. At least three courses must be at level 3.
4. At least one level-3 course must be in ENVS.
5. Courses taken to fulfill the perspective area requirement (above) cannot also count toward the concentration.

Students must submit their concentration to the department chair for approval no later than the second semester of their sophomore year.

<table>
<thead>
<tr>
<th><strong>Total, concentration</strong></th>
<th>15</th>
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<tbody>
<tr>
<td><strong>Summary</strong></td>
<td></td>
</tr>
<tr>
<td>Total, core courses</td>
<td>26-27</td>
</tr>
<tr>
<td>Total, perspective area courses</td>
<td>13</td>
</tr>
<tr>
<td>Total, concentration courses</td>
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<tr>
<td>Total, capstone experience</td>
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<tr>
<td>Total, courses in the major</td>
<td>58-59</td>
</tr>
<tr>
<td>Electives</td>
<td>61-62</td>
</tr>
<tr>
<td><strong>Total, B.A. in environmental studies</strong></td>
<td>120</td>
</tr>
</tbody>
</table>

**Sample Concentrations**

Students may choose a concentration in one of the categories described below. On the department website, students can find a listing of suggested courses that provides more detail about how they might plan their concentrations.

These course listings are developed in consultation with the departments that offer relevant courses. Because upper-level courses often have prerequisites, careful planning by the student is essential to making sure the requirements can be met. Students whose interests do not match any of the concentration options listed below, and who have demonstrated a sense of direction about their career path, may design their own concentration area with approval of their adviser (a special form is available for this purpose on the department website). Students must submit their proposed concentration to the ENVS department chair for approval no later than the second semester of their sophomore year. Although the concentrations do not require a credit-bearing internship, students are encouraged to seek such opportunities either for credit or as summer employment. A list of applied experiences is also available on the department website.

**Health**

The concentration in health explores the relationship between human health and environmental change. Students select courses that address such topics as the relationship between environmental problems and human health; the role of public health in shaping environmental policy; and the relationship between diet (and therefore agriculture) and human health. Specific courses that are appropriate for this concentration may be found in the Departments of Environmental Studies and Sciences, Philosophy, Economics, Sociology, Communication Studies, and Health Promotion and Physical Education.

**Anthropology**

The concentration in anthropology explores the ways in which individual cultures interact with their natural environments. Students select courses that focus on particular geographic areas, including South Asia,
Mesoeamerica, North America, the southwest United States, and South America. Specific courses that are appropriate for this concentration may be found in the Departments of Environmental Studies and Sciences, Anthropology, and Sociology.

Communication
The concentration in communication explores the fundamental importance of communication in both framing and solving environmental issues and problems. Students select courses that address such topics as the importance of good written and oral communication to solving environmental problems, as well as the role of the media in shaping human behavior toward the environment. Specific courses that are appropriate for this concentration may be found in the Departments of Environmental Studies and Sciences, Communication Studies, Writing, and Strategic Communication.

Environmental and Outdoor Education
The concentration in environmental and outdoor education explores the fundamental importance of education in both framing and solving environmental issues and problems. Students select courses that address such topics as the role of education (both formal and informal) in shaping society and social values; the importance of education in the outdoors for identifying and solving environmental problems; and the role of education in forging environmental and recreational values. Specific courses that are appropriate for this concentration may be found in the Departments of Environmental Studies and Sciences, Education, Sociology, and Recreation and Leisure Studies.

Policy
The policy concentration explores the fundamental importance of policy and politics on environmental issues and problems. Students select courses that address such topics as: the relationship between regulatory frameworks (including but not limited to laws) and environmental problems; the role of the state in shaping human behavior toward the environment; and the transnational nature of environmental regulation in the 21st century. Specific courses that are appropriate for this concentration may be found in the Departments of Environmental Studies and Sciences, Politics, Philosophy, Economics, and Sociology, as well as through the legal studies program in the School of Business.

Sustainability
The sustainability concentration explores the four major dimensions of sustainability: people, planet, profit, and personal well-being. Specific courses that are appropriate for this concentration can be found across almost all the disciplines of study at Ithaca College.

Environmental Science Major — B.S.
Environmental Science is an interdisciplinary program that provides strong training in the sciences and a background in related courses in the humanities. Majors in both environmental studies and environmental science share in the senior capstone experience — a real, applied project — which integrates the experiences of students with different skills and training and prepares them for graduate school or environmental careers. All students participate in Senior Research and Capstone Discussion Group. Together these two courses constitute the capstone experience, providing all students with the opportunity to integrate various elements of their education and become prepared for graduate school or environmental careers.

Core courses
- ENVS 10100 Environmental Seminar I 0.5
- ENVS 12000 Environmental Sentinels 4
- ENVS 12100 Environmental Science & Technology 4
- ENVS 13000 Earth System Science I 4
- ENVS 22000 Human-Environment Geography 3
- ENVS 32200 Environmental Methods: Sampling, Surveying, Statistics and Analysis 4
- ENVS 40100 Environmental Seminar II 0.5
- BIOL 12200 Principles of Biology II, Ecology and Evolution 4
- CHEM 12100 Principles of Chemistry 4
- PHYS 11700 Principles of Physics I: Mechanics 4
- PHYS 12000 Introductory Applied Physics Laboratory 3
- MATH 11100 Calculus I 4
- MATH 14400 Statistics for Business, Economics and Management or
- MATH 14500 Statistics for the Health, Life, and Social Sciences or
- MATH 21600 Introduction to Mathematical Statistics 3
- HIST 27000 History of American Environmental Thought Cultural Immersion (see below for more information)

Subtotal: 45-46

Restricted science electives
Select a minimum of two foundational natural science courses from the list below (students can take only one course in each discipline):
- BIOL 12100 Principles of Biology I, Cell and Molecular 4
- BIOL 27100 General Ecology 4
- CHEM 22100 Organic Chemistry I 3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVS 13100</td>
<td>Earth System Science II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 7-8**

### Perspective area requirement

Select one course in two of the following perspective areas:

- **Policy Perspective** (from list of approved policy-based courses available from department) 3
- **Economic Perspective** (from list of approved economics-based courses available from department) 3
- **Social and Cultural Perspective** (from list of approved social/cultural-based courses available from department) 3

**Subtotal: 6**

### Capstone experience

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVS 45000</td>
<td>Senior Research</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 45100</td>
<td>Capstone Discussion Group</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal: 4**

### Cultural immersion requirement

The cultural immersion requirement is designed to help students discover alternative ways of addressing environmental problems by developing an insider’s view that can help broaden their perspectives as well as provide sources for innovative solutions. To satisfy this non-credit-bearing requirement, students must complete an experiential service or community-based learning activity and put their communication skills to use with diverse audiences. Students can choose from a wide variety of experiences to satisfy this requirement, but each cultural immersion experience must meet the following criteria:

1. It must be related to environmental studies or science in some way.
2. It must include at least 40 hours of direct involvement with people from a culture or socioeconomic class other than what the student has experienced to date.
3. It must be a deeper, more critical cultural immersion experience than travel or observation alone, and should provide opportunities for students to evaluate situations from local people’s perspective.
4. It should enable students to acquire an awareness of how their own culture informs them about other cultures and is used subjectively to make sense of cultural differences.
5. It requires students to be active participants in the culture, and not just observers; in other words, students should strive to be in a situation where some of their daily comforts and predictability are different or absent.

### Concentration

A minimum of 15 credits in ENVS, BIOL, CHEM, PHYS at level 2 or higher. These credits must include:

1. Two lab-based courses
2. Two courses at level 3 or higher
3. Two ENVS courses

Students must submit their concentration to the department chair no later than the first semester of their junior year.

**Total, concentration** 15

### Summary

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
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<tr>
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<tr>
<td>Total, restricted science electives</td>
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<tr>
<td>Total, perspective area courses</td>
<td>6</td>
</tr>
<tr>
<td>Total, concentration courses</td>
<td>15</td>
</tr>
<tr>
<td>Total, capstone experience</td>
<td>4</td>
</tr>
<tr>
<td>Total, courses in the major</td>
<td>77-81</td>
</tr>
<tr>
<td>Electives</td>
<td>39-43</td>
</tr>
</tbody>
</table>

**Total, B.S. in environmental science** 120

### Environmental Studies Minor

The interdisciplinary minor in environmental studies at Ithaca College is administered by the School of Humanities and Sciences. The objectives of the minor are to (1) introduce students to the substance and complexity of environmental issues, and (2) explain what they must know before they can begin to participate in responsible discussion and policy making on any level.

Students pursue seven courses for an integrated inquiry into two related areas:

- **Area I**, natural science courses: toward an understanding of and an appreciation for the principles of ecology, and thus a recognition of the necessity for integrity and stability in the natural environment
- **Area II**, humanities and social sciences courses: an analysis of economic, political, cultural, and intellectual forces that motivate adverse human impact on the natural environment and encouragement of an “active hope” for solutions to environmental issues.

#### Area I: Natural science courses

- **Minimum of one survey of biology from the following:**
  - BIOL 12000 Fundamentals of Biology 4
  - BIOL 12200 Principles of Biology II, Ecology and Evolution 4
Minimum of one environmental survey course from the following:

- BIOL 10400 Environmental Biology 3
- ENVS 11000 The Environmental Crisis: Causes and Solutions 3
- ENVS 12000 Environmental Sentinels 4
- ENVS 12100 Environmental Science & Technology 4

Minimum of one course in physical science from the following:

- CHEM 10200 Contemporary Chemical Issues 3
- CHEM 10500 Energy and the Environment 3
- CHEM 11700 Environmental Chemistry 3
- ENVS 22100 Interdisciplinary Physical Science 4
- PHYS 17100 Earth: Evolution of a Habitable World 3
- PHYS 17200 Earth: Evolution of a Habitable World with Lab 4

Area II: Humanities and social science courses

12 credits; a minimum of four courses, of which no more than two can be at level 1. One of the four courses must be an ENVS course with an HU or SS designation. A list of approved electives is available from the environmental studies and sciences department office.

Summary

Total, area I 10-12
Total, area II 12
Total, minor in environmental studies 22-24

Students should be aware that many of the courses in area II have prerequisites not required for the minor. Therefore, to successfully complete the minor, students should plan carefully and seek advice early from an adviser for the minor. Courses listed as seminar or tutorial apply only if the topic is appropriate to the minor and prior approval is granted by the chair of the Department of Environmental Studies and Sciences.

Gerontology

Bachelor of Arts, Bachelor of Science

Mary Ann Erickson, Associate Professor and Chair

The Ithaca College Gerontology Institute administers the aging studies major and minor for Ithaca College undergraduates and offers a nondegree certificate in gerontology for extramural students.

Aging studies is an interdisciplinary major and draws on Ithaca College’s unique combination of liberal arts and professional programs to provide students with a liberal arts foundation, a broad-based understanding of individual and social aspects of aging, and professional skills relevant to their career goals.

Students have the option of enrolling in either the B.A. or the B.S. program in aging studies, depending on their educational and career interests and choice of concentration. The majors prepare students for positions with an aging focus or for graduate education in gerontology or a related discipline. The aging studies major has been designated a program of merit by the Association for Gerontology in Higher Education.

The interdisciplinary minor in aging studies involves coursework in gerontology and several other departments and is available to students in any major. The minor addresses biological and psychological aspects of individual aging, as well as the societal implications of the rapidly increasing older population. Fieldwork in an approved aging organization provides an important experiential learning opportunity for aging studies minors. The requirements for the minor are designed to complement or supplement a student’s major.

Facilitating student growth and learning is a priority for gerontology faculty and staff. All majors are assigned an adviser to assist with progress toward completing their major requirements and to serve as a resource for exploring interests and career goals. It is strongly recommended that aging studies majors meet with their adviser at least twice each semester, once at the beginning of the semester and again during the required advising period before online registration.

See GERO courses (p. 443)

Aging Studies Major—B.A.

Aging studies core requirements

- GERO 10100 Introduction to Aging Studies 3
- BIOL 20500 Biology of Aging 3
- GERO 29010 Fieldwork in Gerontology 3
- GERO 31900 Aging and Social Policy 3
- SOCI 35300 Research Methods I 3
- SOCI 35400 Research Methods II 3
- GERO 40100 Gerontology Internship 3
- GERO 48000 Gerontology Senior Seminar 3
- HLTH 20500 Critical Health Issues 3
- PSYC 10400 Introduction to Developmental Psychology 3
- PSYC 36600 Psychology of Aging 3
- SOCI 22000/GERO 22000 Sociology of Aging 3

Subtotal: 36

Aging studies restricted electives
1. Aging-related courses

Select 12 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 34000</td>
<td>Aging and Culture</td>
<td>3</td>
</tr>
<tr>
<td>GER 21000</td>
<td>Health and Aging</td>
<td>3</td>
</tr>
<tr>
<td>GER 23000</td>
<td>Memory Loss and Aging: Myths and Realities</td>
<td>3</td>
</tr>
<tr>
<td>GER 32500</td>
<td>The Long-Term Care System</td>
<td>3</td>
</tr>
<tr>
<td>GER 37000</td>
<td>Counseling the Older Adult</td>
<td>3</td>
</tr>
<tr>
<td>GER 38000</td>
<td>End-of-Life Issues</td>
<td>3</td>
</tr>
<tr>
<td>GER 38900-38909</td>
<td>Selected Topics in Applied Gerontology</td>
<td>1-3</td>
</tr>
<tr>
<td>GER 39900-39909</td>
<td>Selected Topics in Social Gerontology</td>
<td>1-3</td>
</tr>
<tr>
<td>GERO 49000</td>
<td>Independent Study</td>
<td>1-4</td>
</tr>
<tr>
<td>MUMC 41100</td>
<td>Creative Arts Methods for Older Adults</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 24900</td>
<td>Hearing Loss in the Elderly</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 35900</td>
<td>Communication Disorders in the Aging Population</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23800</td>
<td>Leisure and Aging</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 24000</td>
<td>Health Promotion and the Older Adult</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 30100</td>
<td>Lifecycle Nutrition</td>
<td>3</td>
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</tbody>
</table>

2. Ethics and values

Select 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 10100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 21200</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 23000</td>
<td>Bioethics</td>
<td>3</td>
</tr>
</tbody>
</table>

3. Communication skills

Select 6 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 11000</td>
<td>Public Communication</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMST 11500</td>
<td>Business &amp; Professional Comm</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 2xxxx</td>
<td>Any level-2 writing elective</td>
<td>3</td>
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</table>

Subtotal: 21

Required concentration

Students enrolled in the B.A. in aging studies are required to enroll in one of two areas of concentration: counseling or health promotion. Students who have interests or career plans not addressed by an existing concentration may propose a planned interdisciplinary concentration (PIC). The PIC must be developed with an adviser and must include courses (21 credits) that relate to future career or educational goals. Students who choose to design a PIC must submit an application approved by their adviser and the aging studies academic program coordinator no later than the second semester of the junior year. The proposed concentration must include 21 unique credits; a course may not count toward both an aging studies requirement or elective and the concentration.

Counseling concentration

Required courses (15 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 10300</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 10100</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 21700</td>
<td>Mental Health in Historical and Social Contexts</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 21700</td>
<td>Mental Health in Historical and Social Contexts</td>
<td>3</td>
</tr>
<tr>
<td>SOC 30800</td>
<td>Counseling Theory and Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>GERO 37000</td>
<td>Counseling the Older Adult</td>
<td>3</td>
</tr>
<tr>
<td>SOC 40800</td>
<td>Counseling Methods</td>
<td>3</td>
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</tbody>
</table>

Counseling electives

Select 6 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 24100</td>
<td>Family Dynamics and Therapy</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 32100</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 22700</td>
<td>Stress: Its Nature and Management</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 35000</td>
<td>Drug Use and Abuse</td>
<td>3</td>
</tr>
<tr>
<td>GERO 39903</td>
<td>Selected Topics in Social Gerontology</td>
<td>1-3</td>
</tr>
<tr>
<td>SOC 34000</td>
<td>Essential Issues in Mental Health Treatment</td>
<td>3</td>
</tr>
<tr>
<td>SOC 40400</td>
<td>Crisis Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 21

Health promotion concentration

Required courses (12 credits):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 20200</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 24000</td>
<td>Health Promotion and the Older Adult</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GERO 21000</td>
<td>Health and Aging</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 21300</td>
<td>Wellness: Multicultural Perspectives on Health and Healing</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 30100</td>
<td>Lifecycle Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: HLTH 20200: This course has a prerequisite of sophomore standing and one of the following: EXSS 12000, BIOL 11900, BIOL 12100, or CHEM 12100. Students in this concentration will take one of these courses as one of their electives.
Health promotion electives

Select 9 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 22700</td>
<td>Stress: Its Nature and Management</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 22800</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 22900</td>
<td>Disease and Lifestyle</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 35000</td>
<td>Drug Use and Abuse</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 44200</td>
<td>Critical Assessment of Nutrition Programs</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 31600</td>
<td>Women and Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 21

Subtotal: 99

Summary

Total, aging studies core requirements 36
Total, aging studies restricted electives 21
Total, concentration 21
Total, courses in the major 78
Electives 42

Total, B.A. in aging studies 120

Aging Studies Major — B.S.

Aging studies core requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 10100</td>
<td>Introduction to Aging Studies</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 20500</td>
<td>Biology of Aging</td>
<td>3</td>
</tr>
<tr>
<td>GER 29010</td>
<td>Fieldwork in Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>GER 31900</td>
<td>Aging and Social Policy</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 35300</td>
<td>Research Methods I</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 35400</td>
<td>Research Methods II</td>
<td>3</td>
</tr>
<tr>
<td>GER 40100</td>
<td>Gerontology Internship</td>
<td>3</td>
</tr>
<tr>
<td>GER 48000</td>
<td>Gerontology Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 20500</td>
<td>Critical Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 10400</td>
<td>Introduction to Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 36600</td>
<td>Psychology of Aging</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 22000/GERO 22000</td>
<td>Sociology of Aging</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 36

Aging studies restricted electives

1. Aging-related courses

Select 12 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 34000</td>
<td>Aging and Culture</td>
<td>3</td>
</tr>
<tr>
<td>GER 21000</td>
<td>Health and Aging</td>
<td>3</td>
</tr>
<tr>
<td>GER 23000</td>
<td>Memory Loss and Aging: Myths and Realities</td>
<td>3</td>
</tr>
<tr>
<td>GER 32500</td>
<td>The Long-Term Care System</td>
<td>3</td>
</tr>
<tr>
<td>GER 37000</td>
<td>Counseling the Older Adult</td>
<td>3</td>
</tr>
<tr>
<td>GER 38000</td>
<td>End-of-Life Issues</td>
<td>3</td>
</tr>
<tr>
<td>GER 38900-38909</td>
<td>Selected Topics in Applied Gerontology</td>
<td>1-3</td>
</tr>
<tr>
<td>GER 39900-39009</td>
<td>Selected Topics in Social Gerontology</td>
<td>1-3</td>
</tr>
<tr>
<td>GER 49900</td>
<td>Independent Study</td>
<td>1 to 4</td>
</tr>
<tr>
<td>MUMC 41100</td>
<td>Creative Arts Methods for Older Adults</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 24900</td>
<td>Hearing Loss in the Elderly</td>
<td>3</td>
</tr>
<tr>
<td>SLPA 35900</td>
<td>Communication Disorders in the Aging Population</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23800</td>
<td>Leisure and Aging</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 24000</td>
<td>Health Promotion and the Older Adult</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 30100</td>
<td>Lifecycle Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

2. Ethics and values

Select 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 10100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 21200</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 23000</td>
<td>Bioethics</td>
<td>3</td>
</tr>
</tbody>
</table>

3. Communication skills

Select 6 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 11000</td>
<td>Public Communication</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMST 11500</td>
<td>Business &amp; Professional Comm</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 2xxxx</td>
<td>Any level-2 writing elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 21

Required concentration

Students enrolled in the B.S. in Aging Studies are required to select one of two areas of concentration: Management and Administration or Recreation and Leisure. Students who have interests or career plans not addressed by an existing concentration may propose a planned interdisciplinary concentration (PIC). The PIC must be developed with an adviser and must include courses (21 credits) that relate to future career or educational goals. Students who choose to design a PIC must submit an application approved by their adviser and the Aging Studies Academic Program Coordinator no later than the second semester of the junior year. The proposed concentration must include 21 unique credits; a course may not count toward both an Aging Studies requirement or elective and the concentration.
Management and Administration Concentration

**Required courses**

*Select 15 credits of the following:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 22500</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>GBUS 20300</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 20600</td>
<td>Organizational Behavior and Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 31200</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HRM 34000</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 31000</td>
<td>Leadership in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>MGMT 32100</td>
<td>Power and Conflict in Organizations</td>
</tr>
</tbody>
</table>

**Electives**

*Select 6 credits from the following:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STCM 11100</td>
<td>Presentation Media and Visual Design</td>
<td>3</td>
</tr>
<tr>
<td>GERO 32500</td>
<td>The Long-Term Care System</td>
<td>3</td>
</tr>
<tr>
<td>RLS 13700</td>
<td>Leisure Travel</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23800</td>
<td>Leisure and Aging</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 21100</td>
<td>Writing for the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 21300</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 31100</td>
<td>Writing for the Professions</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 31700</td>
<td>Proposal and Grant Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMP 10500</td>
<td>Introduction to Website Development</td>
<td>3</td>
</tr>
<tr>
<td>COMP 10600</td>
<td>Multimedia Programming</td>
<td>3</td>
</tr>
<tr>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td>COMP 20500</td>
<td>Advanced Web Programming</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 21

Recreation and Leisure Concentration

**Required courses**

*Select 15 credits of the following:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 10100</td>
<td>Leisure and Society</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>RLS 10300</td>
<td>History and Philosophy of Leisure</td>
</tr>
<tr>
<td>RLS 10500</td>
<td>Fundamentals of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23200</td>
<td>Program Planning</td>
<td>3</td>
</tr>
<tr>
<td>RLS 24800</td>
<td>Service Learning I: Programming</td>
<td>3</td>
</tr>
<tr>
<td>RLS 23800</td>
<td>Leisure and Aging</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

*Select 6 credits from the following:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 13300</td>
<td>Introduction to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RLS 12500</td>
<td>Understanding Disability: Characteristics, Causes, Services</td>
<td>3</td>
</tr>
<tr>
<td>RLS 13700</td>
<td>Leisure Travel</td>
<td>3</td>
</tr>
<tr>
<td>RLS 15100</td>
<td>Foundations of Outdoor Adventure Pursuits</td>
<td>3</td>
</tr>
<tr>
<td>RLS 21600</td>
<td>Outdoor Adventure Skills</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33000</td>
<td>Administration of Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33100</td>
<td>Supervision of Recreation Personnel</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33400</td>
<td>Leisure Education</td>
<td>3</td>
</tr>
<tr>
<td>RLS 33600</td>
<td>Commercial Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RLS 34000</td>
<td>Inclusive Community Leisure Services</td>
<td>3</td>
</tr>
<tr>
<td>RLS 36600</td>
<td>Social and Cultural Aspects of Play</td>
<td>3</td>
</tr>
<tr>
<td>RLS 39900-39999</td>
<td>Selected Topics in Recreation</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Subtotal: 78

**Summary**

Total, aging studies core requirements: 36
Total, aging studies restricted electives: 21
Total, concentration: 21
Total, courses in the major: 78
Electives: 42

**Total, B.S. in aging studies: 120**

**Aging Studies Minor**

**Common core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERO 10100</td>
<td>Introduction to Aging Studies</td>
<td>3</td>
</tr>
<tr>
<td>GERO 29010</td>
<td>Fieldwork in Gerontology</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 6

**Disciplinary foundation**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 36600</td>
<td>Psychology of Aging</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 20500</td>
<td>Biology of Aging</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 24000</td>
<td>Health Promotion and the Older Adult</td>
<td>3</td>
</tr>
<tr>
<td>GERO 21000</td>
<td>Health and Aging</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Minors may choose to apply an additional 3 credits from the list above as a gerontology elective.

**Select one of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 34000</td>
<td>Aging and Culture</td>
<td>3</td>
</tr>
<tr>
<td>GERO 22000/SOCI</td>
<td>Sociology of Aging</td>
<td>3</td>
</tr>
</tbody>
</table>
Note: Minors may choose to apply an additional 3 credits from the list above as a gerontology elective.

Aging studies electives

Select 6 credits from the following:

- GERO 37000 Counseling the Older Adult 3
- HLTH 30100 Lifecycle Nutrition 3
- MUMC 41100 Creative Arts Methods for Older Adults 3
- SLPA 24900 Hearing Loss in the Elderly 3
- SLPA 35900 Communication Disorders in the Aging Population 3
- RLS 23800 Leisure and Aging 3
- GERO 23000 Memory Loss and Aging: Myths and Realities 3
- GERO 31900 Aging and Social Policy 3
- GERO 32500 The Long-Term Care System 3
- GERO 38900-38909 Selected Topics in Applied Gerontology 1-3
- GERO 39900-39909 Selected Topics in Social Gerontology 1-3

Subtotal: 12

Total Credit Hours: 21

Gerontology Certificate

Ithaca College offers a 24-credit undergraduate, nondegree certificate in gerontology that follows the guidelines of the Association for Gerontology in Higher Education and is registered with the New York State Education Department. Overseen by both the Ithaca College Gerontology Institute and the Office of Extended Studies, the gerontology certificate is available to extramural students only. Students admitted into this program are eligible for a grant to offset part of the tuition costs of courses included in the certificate curriculum.

The gerontology certificate is designed to provide professionals in the health and social services, as well as other interested individuals, with specialized knowledge of gerontological issues that will help them better understand and serve older adults. Students completing this program will enhance their knowledge and skills in a number of areas, including:

- individual and social aspects of the aging process;
- causes and consequences of problems experienced by older persons;
- provision of services to older persons through a variety of professional disciplines;
- provision of services and programs that promote the health and independence of older persons;
- communication with older persons and among health care professionals; and
- organizational management and administration in a variety of residential environments.

The gerontology certificate curriculum includes 24 credits taken from five sections. Most of these courses have minimal prerequisites. The full curriculum is shown below.

Core — required courses

6 credits

- GERO 10100 Introduction to Aging Studies 3
- GERO 29010 Fieldwork in Gerontology 3

Disciplinary perspectives

Select 6 credits from the following:

- BIOL 20500 Biology of Aging 3
- PSYC 36600 Psychology of Aging 3
- ANTH 34000 Aging and Culture 3
- MUMC 34000 Sociology of Aging 3
- GERO 32500 The Long-Term Care System 3
- Note: GERO 32500 counts only for one group.

Health aspects electives

Select 3-6 credits from the following:

- SLPA 24900 Hearing Loss in the Elderly 3
- SLPA 35900 Communication Disorders in the Aging Population 3
- PTBS 20200 Rehabilitation for Older Adults 1
- HLTH 24000 Health Promotion and the Older Adult 3

Social aspects electives

Select 3-6 credits from the following:

- MUMC 41100 Creative Arts Methods for Older Adults 3
- RLS 23800 Leisure and Aging 3
- GERO 32500 The Long-Term Care System 3
- GERO 33000 Research Methods in Gerontology 3
- GERO 38900 Selected Topics in Applied Gerontology 1 to 3
- GERO 39900 Selected Topics in Social Gerontology 1 to 3

Note: GERO 32500 counts only for one group.

Administration and policy issues

Select 3 credits from the following:

- GERO 31900 Aging and Social Policy 3
- GERO 32500 The Long-Term Care System 3

Note: GERO 32500 counts only for one group.
Summary
Core courses 6
Disciplinary perspectives 6
Health aspects electives 3-6
Social aspects electives 3-6
Administration and policy issues 3
Total, certificate in gerontology 24

For further information regarding the program’s admission requirements and curriculum, contact the Gerontology Institute, 607-274-1965, e-mail aging@ithaca.edu.

Department of History

Bachelor of Arts

Vivian Bruce Conger, Associate Professor and Chair

The goal of the Department of History is to make students aware of the deep origins and the interconnectedness of contemporary life. Such a perspective places the present in context and challenges our culture’s emphasis on newness and the disconnectedness of events. It prepares students to understand and participate more knowingly in the contemporary world.

Our department emphasizes a close working relationship between faculty and students, and we are committed to small classes and individualized instruction. First-year survey classes are limited to 30 students. Upper-level class sizes range from 25 students down to 10 in our senior seminars, and even one-on-one tutorials with history faculty. History majors may also choose to complete independent studies and honors projects, both of which feature intensive collaboration with individual instructors. Our students have gone into a variety of professional and graduate careers, such as law, business, international business, governmental service, politics, radio-television, and performing arts, as well as archaeological and museum work. For students interested in careers in education, we offer a social studies with teaching option. This major leads to initial certification in the teaching of social studies at the secondary school level.

Requirements for Honors in History

All history majors with at least a 3.3 GPA in the history major and a 3.0 GPA or better overall have the opportunity to graduate with honors in history. Before commencing an honors program in history, a candidate must have completed 21 hours of history courses. The candidate may complete the work for an honors project in level-3 or level-4 independent studies, but all honors candidates must take at least one level-4 seminar in addition to these independent studies. The candidate may receive a maximum of 6 credits for the honors project. If at any point the faculty sponsor deems the work insufficient for honors, the student will receive a grade for any independent studies completed but will not be eligible to pursue department honors. Honors candidates must adhere to the following process:

1. The candidate will select a department member with expertise in the field to advise the student about the project and, in consultation with that adviser, will create a three-person committee to review the project.

2. By April 15 of the year before graduation (November 30 for winter graduates) the candidate must apply for honors with a written proposal. The proposal should clearly describe the project and identify primary sources to be used. Committee members will signal their approval with their signatures on the form and the entire faculty of the history department will vote on the proposal and inform the student whether she or he may pursue departmental honors.

3. The candidate will submit a complete draft of the project to the faculty sponsor by the end of the fourth week of his or her final semester, and a final draft of the project to the committee by the ninth week of the semester.

4. The candidate will defend the project before the committee approximately one week after the submission of the final draft. The committee will then determine whether the project receives honors.

The completed honors project must fit the following criteria: it will be a 30-50 page scholarly article; it will illustrate an understanding of relevant historiography; it will demonstrate original analysis based on extensive research of secondary and primary sources; and it will use the Chicago Manual of Style citation style.

Advanced Placement

Advanced placement (AP) credit is accepted under the following conditions:

1. A student must have an AP test score of 4 or higher to receive course-specific credit (i.e., HIST 11100, HIST 11200, HIST 18100, HIST 18200). If a student receives course-specific credit, he or she cannot also receive credit for taking the course.

2. AP credit does not reduce the number of credits required by the major (including social studies with teaching option) or minor.

Recommendations

The Department of History strongly recommends that each history major, in consultation with his or her adviser, develop a course of study providing a balance between the various historical eras. It also recommends that history majors take a minimum of three related courses in another humanities department.
(e.g., English, philosophy, art history) and three related courses in a social science department (e.g., economics, anthropology, politics) that serve to complement the student’s historical studies and provide insights from another discipline.

The history department encourages its majors to declare a minor in another discipline as a means of broadening their historical understanding and general educational background.

See HIST courses (p. 446)

**History Major— B.A.**

Credits in the department

History majors must complete a minimum of 39 credits (i.e., 13 courses) in history, including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two courses of the survey of United States history (HIST 11100-HIST 11200)*</td>
<td>6</td>
</tr>
<tr>
<td>Two courses of the survey of Western civilization (HIST 10100-HIST 10200) or world civilization (HIST 18100-HIST 18200): A sequential combination of Western civilization and world civilization (HIST 10100 and HIST 18200 or HIST 10100 and HIST 18200) may be substituted for this two-course sequence.*</td>
<td>6</td>
</tr>
<tr>
<td>A minimum of two courses in European history at level 2 or above</td>
<td>6</td>
</tr>
<tr>
<td>States history at level 2 or above</td>
<td>6</td>
</tr>
<tr>
<td>A minimum of two courses in United States history at level 2 or above</td>
<td>6</td>
</tr>
<tr>
<td>A minimum of two courses in global history at level 2 or above</td>
<td>6</td>
</tr>
<tr>
<td>A minimum of three other history electives</td>
<td>9</td>
</tr>
</tbody>
</table>

Subtotal: 39

Note: Of the 27 history elective credits, 15 must be at level 3 or above; of these 15 credits, 6 credits must be either tutorials (HIST 49100, HIST 49200, HIST 49300) or seminars (HIST 48100, HIST 48200, HIST 48300).

* Under unusual circumstances and with the consent of the student’s adviser and the department chair, appropriate substitutions for HIST 10100-HIST 10200, HIST 11100-HIST 11200, or HIST 18100-HIST 18200 may be made. Substitution is made only when the student demonstrates sufficient mastery of history to enter an upper-level course.

Subtotal: 39

**Selectives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, electives</td>
<td>81</td>
</tr>
</tbody>
</table>

**Total, B.A. in history**

120

No more than 3 credits at the grade of C- or below may be counted toward meeting the 39-credit requirement of the history major.

Note: Tutorials and seminars required in all history department programs must be taken at the Ithaca College campus.

**Social Studies Major — B.A. with Teaching Option**

Credits in the department

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 11100 United States History to 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 11200 United States History since 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 18100 World Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 18200 World Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 22000 Human-Environment Geography</td>
<td>3</td>
</tr>
<tr>
<td>A minimum of two courses in European history at level 2 or above</td>
<td>6</td>
</tr>
<tr>
<td>A minimum of two courses in United States history at level 2 or above</td>
<td>6</td>
</tr>
<tr>
<td>A minimum of two courses in global history at level 2 or above</td>
<td>6</td>
</tr>
<tr>
<td>A minimum of one open history elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 36

Note: Of the seven history elective courses, four must be at level 3 or above; of these four courses, one must be either a tutorial or a seminar.

Credits from social science departments

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 12100 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 12200 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 10100 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>POLT 10100 U.S. Politics</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 10400 Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Note: In addition to the social studies requirements listed above, social studies with teaching option majors must complete the following courses for certification.

Core education requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 10100 Literacy Education for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 20100 Technology for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 22900 Second Language Acquisition: Its Nature and Meaning for Educators</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 23900 Educating Students with Special Needs in Diverse Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 21010 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 21910 Early Field Experience: Theory and Practice</td>
<td>3</td>
</tr>
</tbody>
</table>
EDUC 34000  Social and Cultural Foundations of Education  3
EDUC 40810  Pedagogy and Practice across the Disciplines  3
EDUC 40910  Pedagogy and Practice in the Teaching of Social Studies  3
EDUC 41210  Seminar in Reflective Practice  3
EDUC 49810  Professional Semester in Education  12
EDUC 19210  Child Abuse Identification and Prevention  
EDUC 19220  Drug and Alcohol Abuse: Identification and Prevention  
EDUC 19230  School Violence Prevention  

Subtotal: 39

Additional core requirements

- All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may test out of this requirement by taking the language placement test and placing at level 2.
- All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.
- All teaching-option students must maintain a minimum GPA of 3.0 in their subject.
- No more than 3 credits at the grade of C- or below may be counted toward meeting the 36-credit requirement of the B.A. in social studies with teaching option.
- Students must earn a grade of B or better in EDUC 40810 and EDUC 41210 to qualify for student teaching. A grade of B- does not qualify.
- To qualify for student teaching, students must have a 3.00 GPA in history courses and a 3.00 overall GPA.
- EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.
- All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).
- The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

Electives  30

Total, B.A. in social studies with teaching option  120

History Minor

The Department of History offers a minor requiring the completion of 21 credits in history, of which three courses, including one tutorial or seminar, must be level 3 or above. Students who wish to earn a minor in history must fill out and submit a registration form. The chair will assign the student to a history adviser who will coordinate his or her advising with the student’s major adviser.

Total, minor in history  21

Department of Mathematics

Bachelor of Arts, Bachelor of Science

Jim Conklin, Associate Professor and Chair

The Department of Mathematics offers a curriculum with sufficient depth and flexibility to provide a sound program of study for students with a wide range of mathematical interests. General interest courses are offered for those who want to study mathematics for their own information and enjoyment.

The department offers programs that lead to the bachelor’s degree in mathematics, mathematics-computer science, mathematics-economics, mathematics-physics, mathematics with teaching option, and mathematics-computer science with teaching option.

Requirements for Honors in Mathematics

Honors in mathematics are awarded in recognition of excellent overall scholarship and the successful completion of an honors-level capstone experience.

Candidates need departmental approval based on mathematical maturity, creativity, and the ability to do independent work in order to register for MATH 49300 Honors. Final approval for honors is decided by a department vote. Honors in mathematics are awarded only on recommendation of the department faculty.

Departmental Policies on Math Placement Groups

Math placement exam: All entering students must take the math placement exam. Based on the results, students are initially assigned to one of the four placement groups. This determines where they may enter the mathematics curriculum.

A prerequisite for entrance into mathematics MATH 10000, MATH 10500, MATH 10600, MATH 10700, MATH 10800, MATH 11000, MATH 11100, MATH 13100, MATH 13500, MATH 14400, MATH 14500, MATH 15200, MATH 15500, MATH 16100, and MATH 18000 is the appropriate classification of the student in group 1, 2, 3, or 4 or successful completion of a prerequisite course.
Group 4: The student must take MATH 10000 Mathematics Fundamentals or MATH 18000 Mathematics Fundamentals with Computers before any other mathematics course. Passing MATH 10000 or MATH 18000 with a C- or better qualifies the student to take courses with a group 3 prerequisite.

Group 3: The student may take mathematics courses MATH 10500, MATH 10600, MATH 10700, MATH 11000, MATH 13100, MATH 13500, MATH 15200, and MATH 15500. Completion of MATH 10700, MATH 11000, or MATH 13100 with a C- or better qualifies the student to take courses with a group 2 prerequisite.

Group 2: The student may take MATH 10800, MATH 14400, MATH 14500, and MATH 16100 as well as any course that a group 3 student may take, except MATH 13100. Students are encouraged to take one of the courses listed here. Completion of MATH 11000 with a C- or better qualifies the student to take courses with a group 1 prerequisite.

Group 1: The student may take any course in the mathematics offerings other than MATH 10000, MATH 10700, MATH 11000, MATH 13100, and MATH 18000. Students in group 1 are encouraged to take courses with group 1 or group 2 prerequisites.

Advanced Placement

Students can receive credit for Calculus I (MATH 11100) by receiving a grade of 3, 4, or 5 on the College Board Advanced Placement calculus AB examination. Students can receive credit for Calculus I (MATH 11100) and Calculus II (MATH 11200) by receiving a grade of 3, 4, or 5 on the College Board Advanced Placement calculus BC examination. Ithaca College also provides its own placement examination for students who believe they have a knowledge of calculus but have not taken the College Board Advanced Placement Examination.

Students can receive credit for Statistics for Business, Economics, and Management (MATH 14400) by receiving a grade of 3, 4, or 5 on the College Board Advanced Placement statistics examination.

Notes on Prerequisites

A grade of C- or better is required for a course in mathematics to fulfill a prerequisite for another mathematics course.

A student must receive the permission of the mathematics department to take a mathematics course that is a prerequisite for a mathematics course for which he or she has previously received credit.

See MATH courses (p. 479)

Mathematics Major — B.A.

The mathematics major prepares students for careers — in industry, government, and education — that require problem-solving and creative-thinking abilities. The curriculum is based on a core of required courses that provides a foundation leading to a number of upper-level options.

An overall GPA of C (2.00) or above is required in mathematics courses that are being used to fulfill the minimum course requirements for the mathematics major. No more than one passing grade below C- in mathematics courses may be used.

Required courses in the department

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 18500</td>
<td>Math Experimentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 21100</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 21400</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 21600</td>
<td>Introduction to Mathematical Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 23100</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 27000</td>
<td>Mathematical Reasoning with Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 29100</td>
<td>Sophomore Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MATH 30300</td>
<td>Abstract Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 30500</td>
<td>Introduction to Analysis</td>
<td>4</td>
</tr>
<tr>
<td>MATH 39700</td>
<td>Junior Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MATH 49800</td>
<td>Capstone in Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 49900</td>
<td>Capstone in Mathematics II</td>
<td>1</td>
</tr>
<tr>
<td>MATH xxxxx</td>
<td>MATH electives</td>
<td>9</td>
</tr>
</tbody>
</table>

Subtotal: 47

Electives

73

Total, B.A. in mathematics

120

Mathematics Major — B.A. with Teaching Option

Required mathematics courses
MATH 11100 Calculus I 4
MATH 11200 Calculus II 4
MATH 18500 Math Experimentation 3
MATH 21100 Calculus III 4
MATH 21600 Introduction to Mathematical Statistics 3
MATH 23100 Linear Algebra 3
MATH 27000 Mathematical Reasoning with Discrete Mathematics 3
MATH 29100 Sophomore Seminar 1
MATH xxxxx MATH electives 6

Subtotal: 44

Note: At least 6 credits of MATH electives must be at level 3 or above (except for MATH 39100). At least 3 of these credits must be at level 4

Core education requirements
EDUC 10100 Literacy Education for the Middle/Secondary School Teacher 2
EDUC 20100 Technology for the Middle/Secondary School Teacher 2
EDUC 21910 Early Field Experience: Theory and Practice 3
EDUC 22900 Second Language Acquisition: Its Nature and Meaning for Educators 2
EDUC 23900 Educating Students with Special Needs in Diverse Classrooms 3
PSYC 21010 Educational Psychology 3
EDUC 34000 Social and Cultural Foundations of Education 3
EDUC 40810 Pedagogy and Practice across the Disciplines 3
EDUC 40510 Pedagogy and Practice for the Mathematics Teacher 3
EDUC 41210 Seminar in Reflective Practice 3
EDUC 49810 Professional Semester in Education 12
EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.
EDUC 19210 Child Abuse Identification and Prevention
EDUC 19220 Drug and Alcohol Abuse: Identification and Prevention
EDUC 19230 School Violence Prevention

Subtotal: 39

Additional core requirements
• All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may satisfy this requirement by taking the language placement test and placing at level 2 or above.
• All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.
• All teaching-option students must maintain a minimum GPA of 3.0 in their subject.
• Students must earn a grade of B or better in EDUC 40510 and EDUC 40810 to qualify for student teaching. A grade of B- does not qualify.
• EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.
• All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).
• The mathematics department chair and the coordinator of teacher education must approve any exceptions to the above requirements.

Electives 37

Total, B.A. in mathematics with teaching option 120

An overall average of B (3.00) or above is required in mathematics courses that are being used to fulfill the minimum course requirements for the mathematics major. Also, no more than one passing grade below C- in mathematics courses may be used.

Mathematics-Computer Science Major — B.S.

This program is designed for students whose educational or career objectives combine mathematics and computer science. It provides the opportunity for and recognition of serious concentration in both fields and prepares students for graduate study or career placement in either field.

Required mathematics courses
MATH 11100 Calculus I 4
MATH 11200 Calculus II 4
MATH 18500 Math Experimentation 3
MATH 21600 Introduction to Mathematical Statistics 3
MATH 23100 Linear Algebra 3
MATH 27000 Mathematical Reasoning with Discrete Mathematics 3
MATH 29100 Sophomore Seminar 1
MATH xxxxx MATH electives 6-8
**Mathematics-Computer Science Major — B.S. with Teaching Option**

**Required mathematics courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 18500</td>
<td>Math Experimentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 21600</td>
<td>Introduction to Mathematical Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 23100</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 27000</td>
<td>Mathematical Reasoning with Discrete Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Math electives** are to include two additional 3- or 4-credit mathematics electives chosen from MATH 21100 and mathematics courses at level 3 or level 4 (excluding MATH 39100)

An overall average of C (2.00) or above is required in mathematics and computer science courses being used to fulfill the minimum course requirements for the major. No more than one passing grade below C- in those courses may be used.

**Required computer science courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 17100</td>
<td>Principles of Computing Science I</td>
<td>4</td>
</tr>
<tr>
<td>COMP 21000</td>
<td>Introduction to Computer Organization and Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 22000</td>
<td>Introduction to Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>COMP 31100</td>
<td>Algorithms and Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>COMP xxxxx</td>
<td>Three additional computer science</td>
<td>10-12</td>
</tr>
</tbody>
</table>

Subtotal: 26-28

Senior project or capstone

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 47500</td>
<td>Senior Project</td>
<td>3</td>
</tr>
<tr>
<td>MATH 39810</td>
<td>Research Experience in Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

**Core education requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 10100</td>
<td>Literacy Education for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 20100</td>
<td>Technology for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 21910</td>
<td>Early Field Experience: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 22900</td>
<td>Second Language Acquisition: Its Nature and Meaning for Educators</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 23900</td>
<td>Educating Students with Special Needs in Diverse Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 21010</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 34000</td>
<td>Social and Cultural Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 40510</td>
<td>Pedagogy and Practice for the Mathematics Teacher</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 40810</td>
<td>Pedagogy and Practice across the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 41210</td>
<td>Seminar in Reflective Practice</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 49810</td>
<td>Professional Semester in Education</td>
<td>12</td>
</tr>
<tr>
<td>EDUC 19210</td>
<td>Child Abuse Identification and Prevention</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 19220</td>
<td>Drug and Alcohol Abuse: Identification and Prevention</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 19230</td>
<td>School Violence Prevention</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 39

**Summary**

- **Requirements in mathematics**: 27-29
- **Requirements in computer science**: 26-28
- **Senior project or capstone**: 3-4
- **Total, requirements in the major**: 56-61
- **Electives**: 59-64

**Total, B.S. in mathematics-computer science**: **120**
Additional core requirements

• All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may satisfy this requirement by taking the language placement test and placing at level 2 or above.

• All teaching-option students must complete a writing course numbered WRTG 10600 or above.

• All teaching-option students must maintain a minimum GPA of 3.0 in their subject.

• Students must earn a grade of B or better in EDUC 40510 and EDUC 40810 to qualify for student teaching. A grade of B- does not qualify.

• EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student teaching semester. No additional courses may be taken.

• All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).

• The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

Summary

Requirements in mathematics 28-29

Requirements in computer science 26-28

Project or research requirement 3

Core education requirements 39

Total, requirements in the major 95-98

Electives 21-24

Total, B.S. in mathematics-computer science with teaching option 120

Mathematics-Economics Major — B.A.

The mathematics-economics program provides quantitative background for students who wish to enter graduate school, industry, and government. It offers the mathematics student applications in the form of economic models and econometric studies, and it offers the economics student the foundations and analysis of mathematics necessary for a cogent exposition of quantitative economics. In general, the program places economics and mathematics into the broad context of rigorous analytical studies.

An overall average of C (2.00) or above is required in mathematics and economics courses being used to fulfill the minimum course requirements for the major. No more than one passing grade below C- in those courses may be used.

Required mathematics/computer science courses

MATH 11100 Calculus I 4
MATH 11200 Calculus II 4
MATH 18500 Math Experimentation 3
or COMP 17100 Principles of Computing Science I 4
MATH 21100 Calculus III 4
MATH 21400 Differential Equations 3
MATH 21600 Introduction to Mathematical Statistics 3
MATH 23100 Linear Algebra 3
MATH 27000 Mathematical Reasoning with Discrete Mathematics 3
MATH 29100 Sophomore Seminar 1
MATH xxxxx One mathematics elective at level 3 or above (except for MATH 39100) 3-4

Subtotal: 31-33

Subtotal: 58-60

Summary

Total, required mathematics/computer science courses 27
Total, required economics courses 31-33
Electives 60-62
**Total, B.A. in mathematics-economics** 120

### Mathematics-Physics Major — B.A.

The mathematics-physics major provides an option for students who want to concentrate on both areas equally rather than majoring in one or the other. The student can move easily to either mathematics or physics at any time up to the middle of the junior year.

An overall average of C (2.00) or above is required in mathematics and physics courses being used to fulfill the minimum course requirements for the major. No more than one passing grade below C- in mathematics or physics courses may be used.

#### Required mathematics courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 21100</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 21200</td>
<td>Calculus IV</td>
<td>3</td>
</tr>
<tr>
<td>MATH 21400</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 21600</td>
<td>Introduction to Mathematical Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 23100</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 27000</td>
<td>Mathematical Reasoning with Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 29100</td>
<td>Sophomore Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MATH 30300</td>
<td>Abstract Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 30500</td>
<td>Introduction to Analysis</td>
<td>4</td>
</tr>
<tr>
<td>MATH xxxxx</td>
<td>One course at level 3 or above (except for MATH 39100)</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**Subtotal: 32-33**

#### Required physics courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 12000</td>
<td>Introductory Applied Physics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 21700</td>
<td>Principles of Physics III: Waves, Optics and Thermodynamics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 21800</td>
<td>Principles of Physics IV: Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 22500</td>
<td>DC and AC Circuits</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 30100</td>
<td>Mathematical Methods of Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 30500</td>
<td>Electromagnetism</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 31100</td>
<td>Analytical Mechanics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 31**

#### Required capstone

- MATH 49800 Capstone in Mathematics I 3
- MATH 49900 Capstone in Mathematics II 1
  - or
  - Approved capstone experience in physics 4

**Subtotal: 63-64**

### Summary

- Required mathematics courses 32-33
- Required physics courses 31
- Required capstone 4
- Electives 52-53

**Total, B.A. in mathematics-physics 120**

### Mathematics Minor

The mathematics minor program provides an option for nonmajors who wish to take mathematics courses, be guided in course selection, and receive recognition for their studies. Students interested in a mathematics minor should consult a departmental adviser.

An overall average of C (2.00) or above is required in mathematics courses being used to fulfill the minimum course requirements for the minor. No more than one passing grade below C- in mathematics courses may be used.

#### Requirements for the Minor in Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 18500</td>
<td>Math Experimentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 23100</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 29100</td>
<td>Sophomore Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MATH xxxxx</td>
<td>9 additional credits chosen from MATH 21100 or above</td>
<td>9</td>
</tr>
</tbody>
</table>

**Total, minor in mathematics 21**

### Department of Modern Languages and Literatures

#### Bachelor of Arts

Michael Richardson, Associate Professor and Chair
The Department of Modern Languages and Literatures (DMLL) offers curricula in French, German area studies, Italian studies, and Spanish leading to a bachelor of arts degree, as well as courses in Arabic, Chinese, Hebrew, and Latin. DMLL serves the interests of students in their desire to communicate with and understand other peoples through the study of language, literature, culture, and civilization, and seeks to develop students’ knowledge of the structure, use, and history of the languages. The department supports cross-cultural exploration and interdisciplinary study, and facilitates and encourages study abroad. The department prepares students for teaching language in middle and secondary schools, for graduate or professional school, and for the workplace. Our recent graduates who combined language study with coursework in other fields have entered professions such as law, medicine, business, government, social work, journalism, advertising, and banking.

Requirements for Honors in French, German, Italian, and Spanish

Students may apply as candidates for honors in French, German, Italian, or Spanish at the end of the junior year but no later than the second week of the first semester of the senior year. To qualify, students must have a cumulative average of 3.50 in their major language and propose a topic to the chair and the language committee. Upon approval of the proposal, the student will write an honors paper as a 3-credit independent study project, under the supervision of an assigned adviser, and subsequently undertake the defense of the honors paper at an oral examination conducted by three members of the department. If the project is judged by the honors committee to earn at least the grade of B, the student is awarded departmental honors.

Departmental Policies on Placement Examinations

1. Students with no previous training in a foreign language may begin by taking a 10100 course.

2. Students who have studied a foreign language in high school are required to take the appropriate placement test and register for courses as per placement by DMLL.

3. Transfer students who have earned college credit in a foreign language may register for a course at the appropriate level indicated by their college transcripts.

To be formally accepted into a language major, students must demonstrate proficiency at the intermediate level in the chosen language. Proficiency can be demonstrated by language placement test scores or by completing the intermediate I and II (20100, 20200) courses.

A student may major in more than one language if his or her curriculum permits.

Study Abroad

General academic regulations concerning occasional credit from external sources apply to study abroad. In addition, DMLL allows a maximum of 12 major credits and 6 minor credits for a semester, or 15 major credits and 9 minor credits comparable to courses taught within the Department of Modern Languages and Literatures (16 when earned in 4-credit courses) for an academic year of study abroad.

Certificate Program in International Business

In conjunction with the School of Business, DMLL offers a certificate in international business. See the section under the School of Business for details.

Certificate in International Business (p. 32)

Policy on Prerequisites

A grade of C- or better is required for a 10100, 10200, 20100, and 20200 course in any language to fulfill a prerequisite for another course in the same language.

For full courses descriptions see:

LNGS courses (p. 479)
ARAB courses (p. 361)
CHIN courses (p. 389)
FREN courses (p. 437)
GERM courses (p. 441)
HEBR courses (p. 445)
ITAL courses (p. 469)
LATN courses (p. 477)
SPAN courses (p. 619)

French and Francophone Studies Major — B.A.

Credits in the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN xxxxx</td>
<td>French courses numbered FREN 20100 or above</td>
<td>36</td>
</tr>
<tr>
<td>LNGS 23200</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Courses in a second foreign language</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>0- through level 2, or equivalent proficiency</td>
<td></td>
</tr>
</tbody>
</table>

(p. 34)
### School of Humanities and Sciences

**Electives**

| Electives | 69-81 |

**Total, B.A. in French and francophone studies**

**German Area Studies Major — B.A.**

**Credits in the major**

<table>
<thead>
<tr>
<th>German courses beyond GERM 20200</th>
<th>18-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>German area studies courses</td>
<td>0-12</td>
</tr>
<tr>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>Courses in a second foreign language through level 2, or equivalent proficiency</td>
<td>0-12</td>
</tr>
</tbody>
</table>

**Note:** Decisions regarding the appropriateness of a course for the German area studies major are made on an ongoing basis by the German area studies steering committee. A list of German area studies courses is available each semester from DMLL.

**Electives**

| Electives | 69-81 |

**Total, B.A. in German area studies**

**Italian Studies Major — B.A.**

**Credits in the major**

<table>
<thead>
<tr>
<th>Italian courses beyond ITAL 20200</th>
<th>18-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italian studies courses</td>
<td>0-12</td>
</tr>
<tr>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>Courses in a second foreign language through level 2, or equivalent proficiency</td>
<td>0-12</td>
</tr>
</tbody>
</table>

**Note:** Decisions regarding the appropriateness of a course for the Italian studies major are made on an ongoing basis by the Italian studies steering committee. A list of Italian studies courses is available each semester from DMLL.

**Electives**

| Electives | 75-87 |

**Total, B.A. in Italian studies**

**Spanish Major — B.A.**

**Credits in the major**

<table>
<thead>
<tr>
<th>Latin American Civilization and Culture</th>
<th>3</th>
</tr>
</thead>
</table>

**Total, B.A. in Spanish**

**French Major — B.A. with Teaching Option**

**Credits in the major**

<table>
<thead>
<tr>
<th>Introduction to Linguistics</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>French courses numbered FREN 20100 or above</td>
<td>36</td>
</tr>
<tr>
<td>Courses in a second foreign language through level 2, or equivalent proficiency</td>
<td>0-12</td>
</tr>
</tbody>
</table>

**Electives**

| Electives | 69-81 |

**Total, B.A. in French and francophone studies**

**Core education requirements**

<table>
<thead>
<tr>
<th>Literacy Education for the Middle/Secondary School Teacher</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>Early Field Experience: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>Educating Students with Special Needs in Diverse Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Social and Cultural Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>Pedagogy and Practice across the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>Seminar in Reflective Practice</td>
<td>3</td>
</tr>
<tr>
<td>Pedagogy and Practice of Teaching Languages Other Than English</td>
<td>3</td>
</tr>
<tr>
<td>Professional Semester in Education</td>
<td>12</td>
</tr>
<tr>
<td>Child Abuse Identification and Prevention</td>
<td></td>
</tr>
<tr>
<td>Drug and Alcohol Abuse Identification and Prevention</td>
<td></td>
</tr>
<tr>
<td>School Violence Prevention</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 39-51
Note: EDUC 22900 Second-Language Acquisition: Its Nature and Meaning for Educators will not be required of French with teaching option majors because material covered in that course duplicates that covered in EDUC 41310 Pedagogy and Practice for the Teacher of Languages Other Than English.

Subtotal: 76-88

Additional core requirements

- All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.
- All teaching-option students must maintain a minimum GPA of 3.0 in their subject.
- Students must earn a grade of B or better in EDUC 40810 and EDUC 41310 to qualify for student teaching. A grade of B- does not qualify.
- EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.
- All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).
- The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

EDUC 23900         Educating Students with Special Needs in Diverse Classrooms  3
PSYC 21010         Educational Psychology  3
EDUC 34000         Social and Cultural Foundations of Education  3
EDUC 40810         Pedagogy and Practice across the Disciplines  3
EDUC 41210         Seminar in Reflective Practice  3
EDUC 41310         Pedagogy and Practice of Teaching Languages Other Than English  3
EDUC 49810         Professional Semester in Education  12
EDUC 19210         Child Abuse Identification and Prevention  
EDUC 19220         Drug and Alcohol Abuse: Identification and Prevention  
EDUC 19230         School Violence Prevention  

Subtotal: 37

Note: EDUC 22900 Second-Language Acquisition: Its Nature and Meaning for Educators will not be required of German with teaching option majors because the material covered in that course duplicates that covered in EDUC 41310 Pedagogy and Practice for the Teacher of Languages Other Than English.

Subtotal: 82

Additional core requirements

- All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.
- All teaching-option students must maintain a minimum GPA of 3.0 in their subject.
- Students must earn a grade of B or better in EDUC 40810 and EDUC 41310 to qualify for student teaching. A grade of B- does not qualify.
- EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.
- All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant's intended teaching certificate (type, grade levels, and subject areas).
- The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

EDUC 49810         Professional Semester in Education  12
EDUC 19210         Child Abuse Identification and Prevention  
EDUC 19220         Drug and Alcohol Abuse: Identification and Prevention  
EDUC 19230         School Violence Prevention  

Subtotal: 37

German Major — B.A. with Teaching Option

Credits in the major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERM xxxxx</td>
<td>German courses beyond GERM 20200</td>
<td>30</td>
</tr>
<tr>
<td>LNGS 23200</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Courses in a second foreign language</td>
<td>0-12</td>
</tr>
<tr>
<td></td>
<td>through level 2, or equivalent proficiency</td>
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</table>

Subtotal: 45

Core education requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDUC 10100</td>
<td>Literacy Education for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 20100</td>
<td>Technology for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 21910</td>
<td>Early Field Experience: Theory and Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 38

Total, B.A. in German with teaching option 120
Spanish Major — B.A. with Teaching Option

Credits in the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 33700</td>
<td>Introduction to Spanish Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 33800</td>
<td>Introduction to Latin American Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPAN xxxxx</td>
<td>Additional Spanish courses numbered</td>
<td>30</td>
</tr>
<tr>
<td>LING 23200</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Courses in a second foreign language proficiency</td>
<td>12</td>
</tr>
</tbody>
</table>

Subtotal: 39-51

Core education requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 10100</td>
<td>Literacy Education for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 20100</td>
<td>Technology for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 23900</td>
<td>Educating Students with Special Needs in Diverse Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 21010</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 34000</td>
<td>Social and Cultural Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 40810</td>
<td>Pedagogy and Practice across the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 41210</td>
<td>Seminar in Reflective Practice</td>
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<td>EDUC 49810</td>
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<td>EDUC 19210</td>
<td>Child Abuse Identification and Prevention</td>
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<td>Drug and Alcohol Abuse: Identification and Prevention</td>
<td></td>
</tr>
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<td>EDUC 19230</td>
<td>School Violence Prevention</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Subtotal: 37

Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total, B.A. in Spanish with teaching option 120

Minors in Modern Languages and Literatures

Requirements for the Minor in French

Requirements for the minor in French are a minimum of 18 credits beyond level 1 FREN 10200. French courses at level 1 will earn credit toward graduation but not toward the minor. (See Departmental Policies on Placement Examinations (p. 167))

Requirements for the Minor in German Area Studies

Requirements for the minor in German area studies are a minimum of 18 credits beyond GERM 10100, with at least 6 credits at level 3. Students may count up to 6 credits of German area studies courses toward the minor. (See Departmental Policies on Placement Examinations (p. 167))

Requirements for the Minor in Italian

Requirements for the minor in Italian are a minimum of 18 credits beyond ITAL 10100, with at least 6 credits at level 3. The student who begins with ITAL 10100 will receive credit for that course toward graduation but not toward the minor. (See Departmental Policies on Placement Examinations (p. 167))

Requirements for the Minor in Spanish

Requirements for the minor in Spanish are a minimum of 18 credits beyond SPAN 20200, with at least 6 credits at level 3. Spanish courses at level 1 will receive credit toward graduation but not toward the minor. (See Departmental Policies on Placement Examinations (p. 167))
Department of Philosophy and Religion

Bachelor of Arts

Brendan Murday, Assistant Professor and Chair (fall semester)
Craig Duncan, Associate Professor and Chair (spring semester)

The Department of Philosophy and Religion offers courses that develop critical and creative skills, as well as broad-ranging knowledge of fundamental beliefs and ideas. Such skills and knowledge are brought about by (1) training students in the analysis and clarification of concepts involved in all forms of thinking, whether legal, medical, political, scientific, or metaphysical; (2) systematically analyzing and evaluating topics of perennial human interest, such as religion, art, and morality; and (3) challenging students to articulate and develop their own ideas in the context of argumentation.

- The Introduction to Philosophy courses (PHIL 10100 and PHIL 10200) are highly recommended as stepping-stones to all other courses in philosophy.
- The Introduction to World Religions courses (RLST 10500 and RLST 10600) are highly recommended as stepping-stones to all other courses in religious studies.

Requirements for Honors in Philosophy and Religion

Honors in the Department of Philosophy and Religion are offered for the purpose of encouraging, challenging, and recognizing majors and minors who undertake advanced academic work.

Majors and minors in the department may apply for honors by submitting an honors thesis. Written application to the honors program must be made to the department chair early in the senior year. A minimum GPA of 3.50 in the major or minor is required.

An adviser and a second reader are appointed by the chair in consultation with the student and members of the faculty. The adviser supervises the writing of the thesis, which should be at most 30 pages long and must be completed by March 31. The departmental faculty decides whether the thesis has earned honors designation. Then, if the student wishes, the adviser arranges for an oral presentation of the accepted thesis to the departmental faculty, guests, and other philosophy and religion majors and minors.

Philosophy

Philosophy is the most conceptually fundamental of the liberal arts. It is that academic discipline that is most concerned with ideas. The student majoring in philosophy is trained to understand abstract ideas and their relations to one another and the world, to learn what have been among the most influential ideas in human history from ancient Greece to the present, and to enter into the dialectical process of rational disputation concerning those ideas.

Religious Studies

The study of religion is multidisciplinary, cultivating a wide array of interpretive skills from related fields of study. Students in religious studies explore the meaning of myths, symbols, historical events, rituals, personal experiences, and classic texts, and consider how participants in world religions continually reinterpret existing traditions and apply them to new cultural contexts. Religious studies offers an excellent basis for careers in the human service professions, such as counseling, social work, or teaching; in business and professions involving work with people from diverse cultures; and in all forms of creative activity, including writing and other fine arts.

See PHIL courses (p. 550) and RLST courses (p. 589)

 Philosophy and Religion — B.A.

The joint major in philosophy and religion gives students a special opportunity to explore in depth the philosophical aspects of religion and the religious aspects of philosophy. Students in this major acquire a grounding in philosophy that enables them to conduct philosophical analyses of religious claims, and a grounding in religious studies that makes them sensitive to the religious dimensions of philosophical systems and activities. This is an excellent major for students who have a strong personal interest in the preceding topics, or who would like to prepare themselves for graduate study or professional responsibility in the field of religion.

Joint majors in philosophy-religion must take a total of 36 credits in philosophy and religion, including

- at least 12 credits in philosophy (at least 6 credits of which must be at level 3 or 4), and
- at least 12 credits in religion (at least 6 credits of which must be at level 3 or 4).

Required courses

These required courses are counted toward accumulation of the 36-credit requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 31100/RLST 31100</td>
<td>Philosophy of Religion</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 15100</td>
<td>Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 20300</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>Additional philosophy courses</td>
<td>9-</td>
<td></td>
</tr>
<tr>
<td>Additional religion courses</td>
<td>9-</td>
<td></td>
</tr>
</tbody>
</table>

Craig Duncan, Department of Philosophy and Religion
Subtotal: 36

Note: PHIL 31100 can count as part of the 6 credits required in philosophy at level-3 or 4; RLST 31100 can count as part of the 6 credits required in religious studies at level-3 or 4.

The following courses may be used to satisfy the course requirement in the philosophy-religion major for level-3 religion courses:

| ENGL 32400 | Literature of the Bible | 3 |
| HIST 30100 | The Renaissance and Reformation | 3 |

Electives 84

Total, B.A. in philosophy-religion 120

Subtotal: 36

Philosophy Major — B.A. Requirements

PHIL 20300 Introduction to Logic 3
or
PHIL 32100 Symbolic Logic 3
PHIL xxxxx An additional 33 credits in philosophy with at least four courses taken at level 3 or 4

Subtotal: 39

Note: Because of the importance of logical analysis in philosophy, majors should try to complete the logic requirement by the end of the sophomore year.

Electives 84

Total, B.A. in philosophy 120

Because of the importance of logical analysis in philosophy, minors should try to complete the logic requirement by the end of the sophomore year.

Requirements for the minor in philosophy

PHIL 20300 Introduction to Logic 3
or
PHIL 32100 Symbolic Logic 3
PHIL xxxxx An additional five philosophy electives, with at least two courses taken at level 3 or 4

Total, minor in philosophy 18

Religious Studies Minor

Students who minor in religious studies will be assigned an adviser from the department to help them select courses that reflect their interests. A student can construct a minor that concentrates on a survey of world religions; a study of mysticism and religious consciousness; an empirical examination of religious beliefs, practices, and change; or a philosophical examination of religious beliefs and practices.

Requirements for the minor: At least 18 credits in religion distributed over a minimum of six courses (at least two of which must be at level 3 or 4)

Total, minor in religious studies 18

Department of Physics

Bachelor of Arts, Bachelor of Science

Luke Keller, Associate Professor and Chair

The Department of Physics offers a range of programs and courses designed to prepare students for a variety of career opportunities. With the supporting background of mathematics, computer science, chemistry, and biology, the curriculum provides the educational foundation necessary for continued study at the graduate level, technical employment, or certification in secondary school teaching of physics.

The department offers a physics-engineering 3-2 program and has programs leading to the bachelor of science degree in physics and the bachelor of arts in physics and mathematics-physics.

Physics-Engineering 3-2 Program

In collaboration with Cornell University, Clarkson University, Rensselaer Polytechnic Institute, and the Thomas J. Watson School of Engineering, Applied Science, and Technology of Binghamton University, as well as other accredited engineering schools, the physics
department offers qualified students the opportunity to receive two bachelor’s degrees, one from Ithaca College and one from the appropriate school of engineering, over the course of five years. Physics majors who are interested in this program complete all the requirements for the physics B.A. (see below) in three years, and apply to transfer to the appropriate engineering school for two more years to complete an engineering degree.

Students who wish to enter this joint program must take, in addition to the physics program requirements, certain basic courses stipulated by the engineering department of their choice. Very careful planning is necessary to ensure the proper program articulation, and students must therefore obtain the approval of the department chairperson no later than the end of the fifth semester. This program requires the student to take an academic leave of absence for the senior year and to obtain the provost’s waiver of the senior credit requirement. Transfer will be subject to both the department’s recommendation and acceptance by the engineering school. Students will transfer 30 credits from the engineering school toward the Ithaca College degree.

To graduate from the program, a student must fulfill the degree requirements of the engineering school. In the event a student does not complete the engineering school portion of the program, an Ithaca College degree in physics can be awarded if all the requirements for a department-approved physics program have been met. Courses taken at the engineering school can be used toward fulfillment of the requirement upon approval of the department.

Requirements for Honors in Physics

Students are awarded honors in physics on the basis of excellence in the three areas of academics, scholarly achievement, and service to the community. To apply for honors recognition, a student must submit an application to the Physics Department Chair before November 1 of their year of graduation. The application will consist of a current resume and a 2-page statement addressing the following issues:

The application must show that the student has maintained a 3.50 GPA in courses required for the physics major (inclusive of midterm grades in the semester in which the application is submitted), has actively engaged in and contributed to original scholarly work which extended the bounds of human knowledge of physics or a related field, and has contributed physics-related service to the school, college, or wider community. This service component might consist of activities such as (but not limited to) physics outreach presentations, peer mentoring and tutoring, student leadership, and any other relevant participation in projects serving the public interest.

The final decision to award honors is made by a vote of the general physics faculty.

Off-Campus Study in Oceanography

Students can participate in our cooperative programs with the Duke University Marine Lab (North Carolina and Bermuda) or the Sea Education Association of Wood’s Hole (with a variety of cruise tracks). For more information on these programs, see “National Affiliated Programs in Marine Biology” in the “International Programs” section.

See PHYS courses (p. 555)

Physics Major — B.S.

The B.S. major in physics provides a rigorous course of study in physics for the student as a preparation for graduate school or highly technical jobs in industry.

Core courses in the department

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 12000</td>
<td>Introductory Applied Physics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 21700</td>
<td>Principles of Physics III: Waves, Optics and Thermodynamics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 21800</td>
<td>Principles of Physics IV: Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 22500</td>
<td>DC and AC Circuits</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 30100</td>
<td>Mathematical Methods of Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 30500</td>
<td>Electromagnetism</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 31100</td>
<td>Analytical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 32000</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 36000</td>
<td>Intermediate Physics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 42100</td>
<td>Quantum Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 29900</td>
<td>Introductory Physics Research</td>
<td>.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>to 3</td>
</tr>
<tr>
<td>PHYS 39900</td>
<td>Intermediate Physics Research</td>
<td>.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>to 3</td>
</tr>
<tr>
<td>PHYS 49900</td>
<td>Advanced Physics Research</td>
<td>.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>to 3</td>
</tr>
<tr>
<td>PHYS xxxxx</td>
<td>One additional physics course at level 3 or above</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 46**

Note: Students are required to take one credit each of PHYS 29900, PHYS 39900, and PHYS 49900.

Physics capstone

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 39800</td>
<td>Senior Thesis Proposal</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 49700</td>
<td>Senior Thesis I</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 49800</td>
<td>Senior Thesis II</td>
<td>2</td>
</tr>
</tbody>
</table>

**Subtotal: 4**

Courses outside the department

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 4**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 21100</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 21200</td>
<td>Calculus IV</td>
<td>3</td>
</tr>
<tr>
<td>COMP 12300</td>
<td>Introduction to Scientific Computation in MATLAB</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 19**

Summary

| Total credits required for the program | 69 |
| Total electives/distribution credits  | 51 |

**Total, B.S. in physics**

120

Physics Major — B.A.

The B.A. major in physics permits students either to concentrate heavily on physics in preparation for industrial careers or to combine physics with other professional interests or graduate degree aspirations such as secondary education, premedical training or biology, astronomy, electronics, chemistry, environmental science, or computer science.

Core physics courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 12000</td>
<td>Introductory Applied Physics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 21700</td>
<td>Principles of Physics III: Waves, Optics and Thermodynamics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 21800</td>
<td>Principles of Physics IV: Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 22500</td>
<td>DC and AC Circuits</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 22**

Physics capstone

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 49500</td>
<td>Senior Projects</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 39800</td>
<td>Senior Thesis Proposal</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 49700</td>
<td>Senior Thesis I</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 49800</td>
<td>Senior Thesis II</td>
<td>2</td>
</tr>
</tbody>
</table>

**Subtotal: 3-4**

Additional requirements outside the department

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 21100</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>COMP 12300</td>
<td>Introduction to Scientific Computation in MATLAB</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 16**

Concentration requirements

The concentration must be planned with the adviser and approved by the department before the end of the student’s fourth semester. See listing of sample concentrations below.

1. Nine credits at level 3 or 4, at least 6 of them in physics (excluding PHYS 30100). Credits used to satisfy this requirement may not be used to satisfy concentration requirement 2 or 3

2. Three credits of physics laboratory at level 3 or 4. Credits used to satisfy this requirement may not be used to satisfy concentration requirement 1 or 3

3. Three additional credits

**Subtotal: 15**

Summary

| Total credits required for the program | 56-57 |
| Total electives/distribution credits  | 63-64 |

**Total, B.A. in physics**

120

Sample concentrations

Students have many options for developing concentrations; the list below describes typical combinations of courses in particular focus areas that students may want to consider, in consultation with their advisers.

**3-2 engineering**

- Physics, including PHYS 30100, PHYS 30500, PHYS 31100, PHYS 32000, and PHYS 36000
- Engineering, 1 course taken at the engineering school

**Premedical**

- Physics, including PHYS 30500, PHYS 32000, and PHYS 36000
- Chemistry and biology, including BIOL 12100, BIOL 12200, CHEM 12100, CHEM 12400, CHEM 22100, and CHEM 22200

**Electronics**

- Physics, including PHYS 32000, PHYS 32600, and PHYS 35100
- Computer science, including COMP 17200, COMP 21000, and COMP 22000

**Biophysics**

- Physics, including PHYS 30500, PHYS 32000, and PHYS 36000
- Biology, including BIOL 31500 and BIOL 35400
• Chemistry, including CHEM 23200

**Materials science**
• Physics, including PHYS 30500, PHYS 31100, PHYS 32000, PHYS 36000, and PHYS 42100
• Chemistry, including CHEM 23200 and CHEM 33200

**Environmental science**
• Physics, including PHYS 30100, PHYS 30500, PHYS 32000, and PHYS 36000
• Environmental Studies and Sciences, including ENVS 22000, ENVS 32200

**Computational physics**
• Physics, including PHYS 30500, PHYS 31100, PHYS 36000
• Computer Science, including COMP 22000, COMP 31100
• Math, including MATH 28000

**Mathematics-Physics Major—B.A.**
Requirements for this degree are listed in the Department of Mathematics.

**Physics Major—B.A. with Teaching Option**

**Core physics courses**
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 12000</td>
<td>Introductory Applied Physics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 21700</td>
<td>Principles of Physics III: Waves, Optics and Thermodynamics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 21800</td>
<td>Principles of Physics IV: Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 22500</td>
<td>DC and AC Circuits</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional requirements outside the department**
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 21100</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>COMP 12300</td>
<td>Introduction to Scientific Computation in MATLAB</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal:** 22

**Concentration requirements**

The concentration must be planned with the adviser and approved by the department before the end of the student’s fourth semester. See listing of sample concentrations below.

1. Nine credits at level 3 or 4, at least 6 of them in physics (excluding PHYS 30100). Credits used to satisfy this requirement may not be used to satisfy concentration requirement 2 or 3
2. Three credits of physics laboratory at level 3 or 4. Credits used to satisfy this requirement may not be used to satisfy concentration requirement 1 or 3
3. Three additional credits

**Subtotal:** 15

**Core education requirements**
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 10100</td>
<td>Literacy Education for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 20100</td>
<td>Technology for the Middle/Secondary School Teacher</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 22900</td>
<td>Second Language Acquisition: Its Nature and Meaning for Educators</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 23900</td>
<td>Educating Students with Special Needs in Diverse Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 21010</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 21910</td>
<td>Early Field Experience: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 34000</td>
<td>Social and Cultural Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 40810</td>
<td>Pedagogy and Practice across the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 41010</td>
<td>Pedagogy and Practice for the Science Teacher</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 41210</td>
<td>Seminar in Reflective Practice</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 49810</td>
<td>Professional Semester in Education</td>
<td>12</td>
</tr>
<tr>
<td>EDUC 19210</td>
<td>Child Abuse Identification and Prevention</td>
<td></td>
</tr>
<tr>
<td>EDUC 19220</td>
<td>Drug and Alcohol Abuse: Identification and Prevention</td>
<td></td>
</tr>
<tr>
<td>EDUC 19230</td>
<td>School Violence Prevention</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal:** 39

**Subtotal:** 92

**Additional requirements**

• All teaching-option students must successfully complete a year of college-level study in a language other than English. Students may test out of this requirement by taking the language placement test and placing at level 2 or above.
• All teaching-option students must successfully complete writing course WRTG 10600 or above.
• All teaching-option students must maintain a minimum GPA of 3.0 in their subject.
- Students must earn a grade of B or better in EDUC 40810 and EDUC 41010 to qualify for student teaching. A grade of B- does not qualify.
- EDUC 49810 Professional Semester in Education and EDUC 41210 Seminar in Reflective Practice constitute a full course load during the student-teaching semester. No additional courses may be taken.
- All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant’s intended teaching certificate (type, grade levels, and subject areas).
- The department chair and the coordinator of teacher education in the subject area must approve any exceptions to the above requirements.

Summary

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, physics courses</td>
<td>37</td>
</tr>
<tr>
<td>Total, science and mathematics courses outside the physics department</td>
<td>16</td>
</tr>
<tr>
<td>Total, core education courses</td>
<td>39</td>
</tr>
<tr>
<td>Electives</td>
<td>28</td>
</tr>
<tr>
<td>Total, B.A. in physics with teaching option</td>
<td>120</td>
</tr>
</tbody>
</table>

Sample concentrations

Students have many options for developing concentrations; the list below describes typical combinations of courses in particular focus areas that students may want to consider, in consultation with their advisers.

3-2 engineering

- Physics, including PHYS 30100, PHYS 30500, PHYS 31100, PHYS 32000, and PHYS 36000
- Engineering, 1 course taken at the engineering school

Premedical

- Physics, including PHYS 30500, PHYS 32000, and PHYS 36000
- Chemistry and biology, including BIOL 12100, BIOL 12200, CHEM 12100, CHEM 12400, CHEM 22100, and CHEM 22200

Electronics

- Physics, including PHYS 32000, PHYS 32600, and PHYS 35100
- Computer science, including COMP 17200, COMP 21000, and COMP 22000

Biophysics

- Physics, including PHYS 30500, PHYS 32000, and PHYS 36000
- Biology, including BIOL 31500 and BIOL 35400
- Chemistry, including CHEM 23200

Materials science

- Physics, including PHYS 30500, PHYS 31100, PHYS 32000, PHYS 36000, and PHYS 42100
- Chemistry, including CHEM 23200 and CHEM 33200

Environmental science

- Physics, including PHYS 30100, PHYS 30500, PHYS 32000, and PHYS 36000
- Environmental Studies and Sciences, including ENVS 22000, ENVS 32200

Computational physics

- Physics, including PHYS 30500, PHYS 31100, PHYS 36000
- Computer Science, including COMP 22000, COMP 31100
- Math, including MATH 28000

Physics Minor

The physics minor program provides an option for students who may not want to be physics majors but who wish to enroll in physics courses, be guided in course selection, and receive recognition for their studies.

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Introductory Applied Physics Laboratory</td>
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<tr>
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<td>4</td>
</tr>
<tr>
<td>MATH 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total, minor in physics | 30  

Planned Studies

Bachelor of Arts, Bachelor of Science

Rebecca Plante, Associate Professor and Coordinator
The planned studies major is designed for students whose interests or learning goals do not coincide with departmental majors as presently defined and whose interests may cross disciplinary fields. The emphasis in the major is placed first on developing an educational goal (a “rationale” statement) and then on selecting the courses leading to that goal. Students in this major are encouraged to seek relevant College resources and to supplement regular coursework with independent study, internships, capstone experiences, or tutorials if appropriate. These students are also encouraged to blend disciplines and perspectives. The planned studies coordinator aids the student in developing the application to the major, including facilitating admission to courses that are in the student’s final plan (subject to regular departmental and school limitations and policies). The program coordinator serves as the academic adviser for planned studies majors, but students are expected to seek faculty mentors with relevant professional and academic interests who can advise on the academic integrity of the plan. Planned studies majors must fulfill the humanities and sciences general education requirement.

To major in planned studies, a student must file an application with the coordinator of the program; these applications are evaluated by a faculty committee before they are submitted to the dean for final approval. Applications are available from the coordinator and online. Before submitting the final application, students must discuss their ideas with the coordinator of planned studies, along with relevant department chairs, professors and deans in the units represented in the plan. Students are advised to begin these discussions well before the application deadline, as the development process typically takes several weeks. Applications are reviewed twice each year; deadlines are October 31 in the fall semester and April 15 in the spring semester. Criteria related to approval of a student’s plan may include: availability of space in certain courses; the student’s GPA; feedback from faculty, chairs, and deans; and whether the plan could instead be accomplished with some combination of existing majors or minors offered at the College.

Students who matriculate at Ithaca College as freshmen may begin the application process in the second semester, but they must have completed two semesters before being admitted into the major. Students must be admitted into the planned studies major in time to register for and complete a minimum of three regular semesters of study in the major. Students may not begin the application process after they have completed five semesters. The plan development process (which can take from four to ten weeks) should begin no later than September 1 or February 1 of the student’s first semester as a junior; final applications must be submitted for formal review no later than the application deadlines of the relevant semester (October 31 and April 15).

Total, B.A. or B.S. in planned studies 120

See PLST courses (p. 561)

Department of Politics

Bachelor of Arts

Chip Gagnon, Associate Professor and Chair

The curriculum is designed to give students an understanding of political organization and political forces in modern society and to provide knowledge and a basis for insight and judgment on the problems involved in the relationships of the individual to government, the economy to government, and governments to one another, both nationally and globally. Students are prepared for intelligent performance of the functions of citizenship, for careers in public service and foreign relations, the study of law, and study at the graduate level. Politics majors who wish to focus their study of politics on issues and topics specifically connected to global matters can declare a concentration in international studies. The department also offers two minors:

- politics and international politics.

Course Levels and Subfields

Politics courses are divided into three levels: introductory, intermediate, and advanced.

**Introductory courses** are divided into three subfields -- U.S. politics, political theory, and comparative and international studies -- and students in the major must take at least one course in each area. Courses in this area range from POLT 10100 to POLT 29900.

**Intermediate courses** include four subfields -- U.S. politics, political theory, public policy, and comparative and international studies. Students in the major must take at least one course in each of the subfields. Students with a concentration in international studies take POLT 30600 US Foreign Policy instead of a public policy course. Courses in this area range from POLT 30100 to POLT 37000.

**Advanced courses** are seminars, tutorials, internships, or directed studies. Students in the major must take two advanced-level courses, at least one of which must be a seminar. Courses in this area range from POLT 40100 to POLT 49900.
Politics courses are also divided into different subfields: U.S. politics, comparative and international studies, political theory, and public policy.

**U.S. politics courses** emphasize the organizations, institutions, and processes of U.S. political life at both the national and subnational level, including the study of U.S. leadership patterns, legislative politics, legal systems and their social implications, partisan competition, and fundamental social and economic forces that structure U.S. politics. Courses with a U.S. politics focus are numbered from POLT 10100 to POLT 10300 and from POLT 30100 to POLT 32000.

**Comparative and international studies courses** encompass the comparative study of political institutions, processes, and sociocultural bases of political systems, along with patterns of international conflict and cooperation. They are intended to expose students to careful examination of a broad range of political phenomena, such as revolution, war, imperialism, styles of leadership, processes of political change, and systems maintenance. Every semester, the department offers one or more courses on special topics; recent topics include Politics in East Asia, the European Union, Political Violence and Human Rights in Latin America, Africa in World Politics, Japanese Politics, Militarization of Everyday Life, Politics of Global Capitalism, and Pirates, Mercenaries and International Law. Courses with a comparative and international studies focus are numbered from POLT 12000 to POLT 12900 (and also include POLT 23000), and from POLT 32100 to POLT 34099.

**Political theory courses** concentrate on philosophical and conceptual concerns that appear throughout the discipline and merit emphasis in specific courses. Theories are explored through the study of the basic interconnections between facts and values in politics. Included are general courses in empirical and normative political thought, specific courses that center on particular theorists or theoretical constructions, and courses on the scope and methods of political analysis. Courses with a political theory focus are numbered POLT 14100 to POLT 14500, and POLT 34100 to POLT 35000.

**Public policy courses** provide students with analytical approaches to the study of public policy making and application. Particular emphasis is given to understanding the complexities of modern problems and the limitations and potential of public policy to intervene effectively in the interest of the common good. This field in particular is recommended for students interested in careers in the management of public affairs. Courses with a public policy focus are numbered POLT 36200 to POLT 37000.

See POLT courses (p. 562)

**Politics Major — B.A.**

**Credits in the major**

Three courses at level 1:  
- POLT 10100 U.S. Politics
- One course in the subfield political theory
- One course in the subfield comparative and international studies

Six courses at level 3 or above, with a minimum of one course in each of the four subfields that constitute the major program - U.S. politics, political theory, public policy, and comparative and international studies

Two courses at level 4 -- seminars, tutorials, internships, or directed studies -- with at least one course in this series to be a seminar

One additional course at any level. Majors with senior standing may not fulfill this requirement with a level-1 course. All majors must take at least three courses in comparative/international studies.

A grade of C is the minimum required in major field courses.

**Credits outside the major**

- Foreign-language competence up to and including the intermediate level 0-12

**Additional credits for the optional international studies concentration**

*Note: Students choosing the concentration option are restricted in the way in which they satisfy the requirements at levels 1, 3, and 4; see "Additional requirements and restrictions" below for details.*

- One additional POLT course at level 1 3
- ANTH 10400 Cultural Anthropology 3
- HIST 18200 World Civilization II 3
- Additional foreign language study of 6 credits beyond the intermediate

**Summary**

- Credits in the major 36-42
- Credits outside the major 0-18
- Free electives 60-84

**Total, B.A. in politics** 120

**International studies concentration**
The international studies concentration is intended for students who wish to focus their study of politics on issues and topics specifically connected to global matters. In addition to requiring two additional courses beyond the general politics B.A. degree, the concentration restricts the way in which students satisfy the requirements at each level by limiting choices to courses that are designated as comparative and international (as listed above).

Additional requirements and restrictions for the International Studies concentration

- An additional level-1 politics course (four courses, 12 credits total)
- Either ANTH 10400 Cultural Anthropology or HIST 18200 World Civilizations II (3 credits)
- Language competence at least 6 credits beyond the intermediate level; students can petition the chair to have equivalent experience (e.g., a semester abroad) count for this additional competence.

To satisfy the level-1 requirement, students must take (in addition to POLT 10100 and a course in political theory) two courses in comparative and international studies, as follows:

- POLT 12800 Introduction to International Relations or POLT 12900 Introduction to Global Studies; and
- POLT 12200 Politics and Society or POLT 12300 Political Justice

To satisfy the level-3 requirement (18 credits), students must choose (in addition to one course each in U.S. politics and political theory) three courses in comparative and international studies, one of which must be designated as a “place” course (15 credits), and POLT 30600 U.S. Foreign Policy.

To satisfy the level-4 requirement (6 credits), all seminars and tutorials must be designated comparative and international, and internships or directed studies courses must be approved by the chair who will determine whether the topic falls within the field of comparative and international studies.

Politics Minors

Politics Minor

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 1xxxx</td>
<td>Two courses at level 1, one of which must be POLT 10100 U.S. Politics</td>
<td>6</td>
</tr>
<tr>
<td>POLT 2xxx</td>
<td>Four courses at level 3 or above</td>
<td>12</td>
</tr>
<tr>
<td>POLT 4xxxx</td>
<td>One course at level 4, either a seminar or tutorial or internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Total, minor in politics: 21

A minimum grade of C is required for courses to count toward the minor.

International Politics Minor

Select two courses at level 1, both in comparative and international studies:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 12800</td>
<td>Introduction to International Relations or Introduction to Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>POLT 12900</td>
<td>Introduction to Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>POLT 12200</td>
<td>Politics and Society</td>
<td>3</td>
</tr>
<tr>
<td>POLT 12300</td>
<td>Political Justice</td>
<td>3</td>
</tr>
<tr>
<td>POLT 30600</td>
<td>U.S. Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Three additional courses at level 3 or above in the subfield of comparative and international studies (POLT 32100 through POLT 34099); at least one of those three must be designated as a “place” course.</td>
<td>9</td>
</tr>
<tr>
<td>One course at level 4 in the subfield of comparative and international studies: POLT 401xx Seminar in Comparative and International Studies; POLT 403xx Tutorial in Comparative and International Studies; or an internship if the chair or director of internships determines that the internship falls within the field of comparative and international studies.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total, minor in international politics: 21

A minimum grade of C is required for courses to count toward the minor.

U.S. Politics Emphasis

Introductory-level courses in U.S. politics:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 10100</td>
<td>U.S. Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 10200</td>
<td>Media and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 10300</td>
<td>The United States and the World</td>
<td>3</td>
</tr>
</tbody>
</table>

Intermediate-level courses in U.S. politics:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 30100</td>
<td>Legislative Behavior</td>
<td>3</td>
</tr>
<tr>
<td>POLT 30300</td>
<td>Constitutional Law: Civil Rights and Liberties</td>
<td>3</td>
</tr>
<tr>
<td>POLT 30400</td>
<td>U.S. Party Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 30500</td>
<td>Urban Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 30600</td>
<td>U.S. Foreign Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Total, minor in international politics: 21

A minimum grade of C is required for courses to count toward the minor.
Comparative and International Studies Field

Introductory-level courses in comparative and international studies:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 12200</td>
<td>Politics and Society</td>
<td>3</td>
</tr>
<tr>
<td>POLT 12300</td>
<td>Political Justice</td>
<td>3</td>
</tr>
<tr>
<td>POLT 12800</td>
<td>Introduction to International Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLT 12900</td>
<td>Introduction to Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>POLT 23000</td>
<td>The Holocaust</td>
<td>3</td>
</tr>
</tbody>
</table>

Intermediate-level courses in comparative and international studies:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 32100</td>
<td>Contemporary British Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 32200</td>
<td>British Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLT 32500</td>
<td>Chinese Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 32600</td>
<td>Russian Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 32700</td>
<td>The Politics of Development</td>
<td>3</td>
</tr>
<tr>
<td>POLT 32800</td>
<td>International Conflict</td>
<td>3</td>
</tr>
<tr>
<td>POLT 32900</td>
<td>Third World Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33000</td>
<td>European Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33100</td>
<td>Latin American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33200</td>
<td>Africa through Film: Images and Reality</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33300</td>
<td>Understanding Islam</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33400</td>
<td>Politics of Rights and Culture</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33500</td>
<td>Crossing Borders/Global Migration</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33600</td>
<td>Whiteness and Multiculturalism</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33700</td>
<td>Politics of Memory</td>
<td>3</td>
</tr>
<tr>
<td>POLT 33900</td>
<td>Political Economy of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>POLT 34000 - 34099</td>
<td>Selected Topics in Comparative-</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>International Studies</td>
<td></td>
</tr>
</tbody>
</table>

Note: POLT 23000 does not fulfill the 100-level comparative and international studies requirement for politics majors.

Intermediate-level courses in political theory:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 34100</td>
<td>U.S. Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POLT 34200</td>
<td>Liberalism and Marxism</td>
<td>3</td>
</tr>
<tr>
<td>POLT 34300</td>
<td>Feminist Theory</td>
<td>3</td>
</tr>
<tr>
<td>POLT 34400</td>
<td>Contemporary British Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>POLT 35000</td>
<td>Selected Topics in Political Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

Public Policy

Intermediate-level courses in public policy:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLT 36200</td>
<td>Theory and Politics of Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLT 36300</td>
<td>Politics of Equality</td>
<td>3</td>
</tr>
<tr>
<td>POLT 36400</td>
<td>Law and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLT 36500</td>
<td>The Politics of Health</td>
<td>3</td>
</tr>
<tr>
<td>POLT 36600</td>
<td>Environmental Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLT 37000</td>
<td>Selected Topics in Public Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Department of Psychology

Bachelor of Arts, Bachelor of Science

Judith Pena-Shaff, Associate Professor and Chair

The department offers two degrees, a bachelor of arts in psychology and a bachelor of science in applied psychology, as well as a minor in psychology.

The Departments of Psychology and Sociology also are partners in offering an interdisciplinary minor in counseling (see Counseling Minor (p. 199) in the Interdisciplinary Studies section). To complete the minor, students take courses in both psychology and sociology; the minor also has a required internship component to provide practical experience. (p. 199)

The Department of Psychology also offers a number of general psychology courses from which students majoring in other disciplines may select depending upon their individual interests.

Requirements for Honors in Psychology

Students have the opportunity to graduate with departmental honors in psychology. To be eligible, a student must be a psychology major or minor in the junior year, with a 3.00 average in psychology and an overall GPA of 3.00. In exceptional cases, a student with a GPA as low as 2.70 may be considered if performance in psychology courses is outstanding. In any case, grades in psychology courses must not be lower than C.

Honors projects may be lab or field studies or may be based on library research. A student seeking departmental honors needs a faculty sponsor from the psychology department. Other advisers may be required depending on
the nature of the project. The project must fall clearly within the field of psychology.

Once the student and sponsor have identified a topic, the student proposes the project to the faculty, both orally and in writing following APA format. After approval, work on the project may begin. While such projects are under way, meetings are scheduled to confirm that progress is being made toward completion. The student must present the finished project to the faculty, both orally and in writing, and the faculty must vote to approve it for honors.

Ordinarily, a student may take no more than 6 credits of honors work in psychology.

**Advanced Placement**

Students may receive equivalent credit for PSYC 10300 if they score 4 or 5 on the AP examination in psychology.

See PSYC course (p. 572)

**Psychology Major — B.A.**

The psychology B.A. program combines a strong focus in psychology with breadth of study across the traditional liberal arts fields. Through a structured curriculum in psychology and the study of representative subjects in the humanities, natural sciences, social sciences, and fine arts, students become familiar with intellectual landmarks and the methods of investigation, analysis, and expression in a variety of disciplines, with particular emphasis on psychology. Because the theory and practice of psychology are grounded in research, the psychology B.A. has a strong emphasis on research skills and experience. One of the defining features of the major is that students undertake collaborative research and work closely with one or more faculty members and with other students for three semesters. Graduates are prepared for entry-level positions in industry, government, and private human service organizations, as well as for graduate study in psychology and related fields.

In the department’s research team program, groups of students and a faculty member conduct programmatic research in such areas as effects of mass media, neuroscience, cognitive development, motivation, social judgment, clinical psychology, educational psychology, and humor. The interaction of students and faculty in actual research helps shape the student’s perception of psychology as a social-intellectual activity rather than as a body of static knowledge to be passively assimilated.

A student in the Department of Psychology typically may take no more than 12 credits of any combination of research team, independent study or independent research, internship, and honors work with the same faculty member.

**Credits in the major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 10300</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2000</td>
<td>Introduction to Research in Psychology</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 2005</td>
<td>Proseminar in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2100</td>
<td>Proseminar in Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2150</td>
<td>Life-Span Development: A Cross-Cultural Perspective</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2160</td>
<td>Proseminar in Motivation</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2200</td>
<td>Statistics in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 2250</td>
<td>Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2300</td>
<td>Methods of Testing and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3100</td>
<td>Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3150</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3200</td>
<td>Personality</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3210</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3300</td>
<td>Cognition</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3400</td>
<td>First Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 3430</td>
<td>Second Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 3450</td>
<td>Third Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 4920</td>
<td>Senior Seminar in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 42**

Note: PSYC 20500 or relevant life-span development course approved by the department, if taken before declaring the major

**Summary**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total requirements for the major</td>
<td>42</td>
</tr>
<tr>
<td>Electives</td>
<td>78</td>
</tr>
</tbody>
</table>

**Total, B.A. in psychology** 120

**Applied Psychology Major — B.S.**

The applied psychology B.S. program combines a traditional liberal arts education in psychology with a study of the key management and financial practices useful in virtually all careers. In addition to a core set of courses, students also select additional coursework in the area to which they want to apply psychology. Students connect classroom studies with hands-on, real-world experience through a major-related internship and/or research experience. Graduates are prepared to use their major-related knowledge, skills, and values in occupational pursuits in a variety of settings or in pursuing graduate study in psychology or related fields. Students interested in this major should contact the program coordinator, Ann Lynn, associate professor of psychology.
### Credits in the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 10300</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 11300</td>
<td>Introduction to Research in Psychology</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 10200</td>
<td>Orientation to Psychology</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 20700</td>
<td>Statistics in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 30800</td>
<td>Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 20100</td>
<td>Proseminar in Development</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 10300</td>
<td>General Psychology</td>
<td></td>
</tr>
<tr>
<td>or PSYC 20200</td>
<td>Proseminar in Motivation</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 20500</td>
<td>Life-Span Development: A Cross-Cultural Perspective</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 30900</td>
<td>Methods of Testing and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 31100</td>
<td>Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 33000</td>
<td>Cognition</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 31600</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 32100</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 32000</td>
<td>Personality</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 33400</td>
<td>Industrial and Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 49200-49299</td>
<td>Senior Seminar in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 34

### Supplemental requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 12100</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 12200</td>
<td>Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td>COMP 11000</td>
<td>Computers and Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td>GBUS 20300</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 22500</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or Cultural diversity elective (list in coordinator's office)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Mathematics

Select one course from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 10500</td>
<td>Mathematics for Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>MATH 10700</td>
<td>Fundamentals of Applied Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 10800</td>
<td>Calculus for Decision Making</td>
<td>4</td>
</tr>
<tr>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

### Communication

Select one course from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 11500</td>
<td>Business &amp; Professional Comm</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 21100</td>
<td>Writing for the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>STCM 10800</td>
<td>Communication in Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

### Experiential requirement

Select a total of 6 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 30200-30299</td>
<td>First Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 30300-30399</td>
<td>Second Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 30400-30499</td>
<td>Third Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 31001-31006</td>
<td>Advanced Psychology Lab, special techniques</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 35200</td>
<td>Independent Supervised Research</td>
<td>1 to 5</td>
</tr>
<tr>
<td>PSYC 45000</td>
<td>Internship in Psychology</td>
<td>1 to 12</td>
</tr>
<tr>
<td>EDUC 21910</td>
<td>Early Field Experience: Theory and Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: PSYC 35200 and PSYC 45000 are variable credit courses.

### Required outside field

All applied psychology majors must complete an outside field. This may be:

1. a 15-24 credit minor in any Ithaca College department; or
2. an individually designed outside field (minimum of 15 credits), with at least 12 credits above level 2, approved by the program coordinator. For students with a dual or double major, the other major counts as the outside field.

### Summary

Total, psychology                        | 34
Total, supplemental requirements        | 15
Total, mathematics                      | 3-4
Total, communication                    | 3
Total, experiential requirement         | 6
Total, outside field                    | 15-24
Total, electives                        | 34-44

**Total, B.S. in applied psychology**   | 120

### Psychology Minor

Students develop their minor programs in consultation with a designated minor adviser in the Department of Psychology. The department will accept courses that are required by a student’s major in fulfillment of requirements in the minor.
Requirements

PSYC 10300 General Psychology 3
PSYC 11300 Introduction to Research in Psychology 2
PSYC xxxxx Five additional semester-long psychology electives, with at least two courses at level 3 or 4 and no more than three at level 1 15

Total, minor in psychology 20

Department of Sociology

Bachelor of Arts

Jim Rothenberg, Associate Professor and Chair

Students pursuing a degree in sociology in the School of Humanities and Sciences explore the complex dynamics that exist between individuals and the social forces that shape them.

How do societies change? What makes social order possible? What are the sources of conflict in society? How is power exercised and how is ideology used to control people? How do people organize to create change? How do racial and ethnic prejudices develop and become entrenched in society? How do we define human sexuality and sexual norms? How has the family unit evolved?

These are the kinds of questions students grapple with in courses in the sociology major at Ithaca College. In the process, they come to a deeper understanding of their own values and societal roles and begin to see how they can effect changes in individual behaviors and in society at large.

Faculty in the sociology department work closely with students to help them develop skills in writing and analysis, computers, and research methods. Students develop their own interests through internships in real-world settings and through close collaboration with faculty in independent-study projects.

The Departments of Psychology and Sociology also are partners in offering an interdisciplinary minor in counseling (see Counseling Minor (p. 199)in the Interdisciplinary Studies (p. 194)section). To complete the minor, students take courses in both psychology and sociology; the minor also has a required internship component to provide practical experience.

See SOCI courses (p. 598)

Individualized Study Opportunities

Field research experiences are provided in many departmental courses and can be pursued as independent study or internship projects. Field placements are available in a variety of local settings, including the Ithaca Youth Bureau, Southside Community Center, Tompkins County Social Services, Cayuga Medical Center at Ithaca, lawyers’ offices, Offender Aid and Restoration, and local juvenile lockup institutions.

Independent-study experience is arranged between the professor and the student. Some more recent examples of this option include projects on ecojustice in Ithaca, ethnic conflict in the Virgin Islands, community control and development, women and alcohol, economic opportunity centers, intimacy and children, student life, solar-age construction and alternative communities, and organizational analysis of local banks and insurance companies.

Internships

Internships are designed to provide students with a supervised and structured experience. Often these can be arranged by students and specific agencies in communities around the country. The sociology department believes that internships provide an opportunity to obtain work experience and to analyze the social and political context of the specific agency. An example is an internship with the Ithaca drug treatment court.

Sociology Major — B.A.

The requirements for the sociology major are 24 prescribed credits in general and fundamental studies; 18 elective credits; and 78 credits in open electives. Majors must take no fewer than 9 credits at level 2; no fewer than 9 credits at level 3 (excluding SOCI 31100, SOCI 35300, and SOCI 35400); and no fewer than 9 credits at level 4 in sociology. At least 3 credits at level 4 must be a departmental course numbered SOCI 40100 to SOCI 46900 (excluding SOCI 46300); no more than 3 credits may come from coursework related to being a teaching assistant in SOCI 48000, SOCI 48100, or SOCI 48200; and no more than 3 internship credits from SOCI 48900 to SOCI 49900 may be applied toward the level-4 requirement. Courses in core areas of sociological inquiry may be used to fulfill the level-2, -3, and -4 requirements. For graduation, 120 credits are required as follows:

Credits in the major

Required courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 10100</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 31100</td>
<td>Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 35300</td>
<td>Research Methods I</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 35400</td>
<td>Research Methods II</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 12
Core areas of sociological inquiry
A minimum of 3 credits in each of the following core areas of sociological inquiry is required for the sociology major.

Social change
A core question in sociology concerns how societies change and develop. Sociologists study social transformations as they affect and are affected by individuals, institutions, and societies. They explore relationships among human agency and social structures, or institutions such as colonialism, capitalism, racism, families, and religions. Key considerations include how change is documented and assessed, as well as how change is mobilized through activism, community organizing, social movements and revolutions, development, and globalization. Courses in this area encourage students to use sociology as a tool for analyzing, envisioning, and engaging in social change.

Inequality
The understanding of inequality, its origins, and its effects on life chances is a core consideration in the discipline of sociology. Courses in this area examine the processes by which inequalities are created and maintained, focusing on interpersonal relations, institutionalized practices, and linkages with global economic, political, and cultural relations. Courses also address issues of privilege and exploitation and how these processes are linked to social class, race, ethnicity, gender, sexualities, age, abilities, and other socially constructed divisions between people.

Social institutions and organizations
Institutions and organizations provide social arrangements that shape the operations of political, economic, health care, and religious systems as well as families and schools. Courses in this area examine issues of power and ideology that affect institutional and organizational practices, including bureaucratic structures, organizational cultures, authority systems, and the reciprocating relationships between individuals, organizations, and their environments. Students also explore the ways in which institutions and organizations help shape, and in turn are shaped by, the lives and decisions of their members.

Individuals, culture, and society
Culture provides a framework for creating meaning and influencing action. Sociological analysis of how these meanings are constructed and negotiated leads to interesting observations of how facts are created and the effects that taken-for-granted arrangements have on individual beliefs, collective actions, agency, and communal life. Courses in this area illuminate the cultural texture of social life at both the individual and collective levels.

Summary
Total, core areas of sociological inquiry 12

Total, required courses 12
Sociology electives 18
Total, credits in the major 42
Credits outside of major 78
Total, B.A. in sociology 120

Sociology Minor
Requirements
SO 1 0100 Introduction to Sociology 3
or
SO 1 0200 Contemporary Sociological Issues 3

18 credits of sociology electives that meet the following criteria:
a. At least 3 credits in each of the four core areas of inquiry
b. At least 3 credits at level 3
c. At least 3 credits at level 4 (from SO 40100 to SO 46600 excluding SO 46300)

Note: Courses in core areas of sociological inquiry may be used to fulfill the level-3 and level-4 requirements.

Total, minor in sociology 21

Department of Theatre Arts
Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science

Greg Bostwick, Professor and Chair

The Department of Theatre Arts offers curricula leading to the bachelor of arts in theatre studies, the bachelor of science in theatre arts management, and the bachelor of fine arts in acting, musical theatre, or theatrical production arts (with concentrations in theatrical design or theatre technology). The B.F.A. degree in musical theatre is offered jointly by the Department of Theatre Arts and the School of Music. It is administered by the Department of Theatre Arts.

The bachelor of arts degree combines interdisciplinary training in theatre with a broad-based liberal arts education. This degree prepares the student for advanced study and a wide variety of careers in the theatre.

The bachelor of science degree combines intensive training in all aspects of theatre management with a well-rounded education in the liberal arts. This is accomplished through formal coursework in the Department of Theatre Arts, School of Business, the Roy H. Park School of
Communications, internships, and required co-curricular practicums. A significant part of the learning experience in this major is accomplished through supervised work in the management operations of the theater arts department. Theatre arts management majors must expect to commit a minimum of 600 contact hours to these duties.

The bachelor of fine arts degree in musical theatre offers intensive pre-professional study, training, and experience in a variety of acting, singing, music and dance styles designed to prepare students for careers in musical theatre. The bachelor of fine arts degree in acting offers intensive pre-professional study, training, and experience in a variety of acting styles and prepares students for careers in theatre and media.

The bachelor of fine arts degree in theatrical production arts offers pre-professional intensive training with concentrations in theatrical design and technical production.

Admission to the B.F.A. degrees requires an audition; admission to the B.A. and B.S. degrees requires an interview with members of the theatre arts faculty. Once admitted, continuing majors participate in departmental review processes. These reviews of performance are presented to the faculty and determine the student’s eligibility to continue in the program.

**London Program**

The Department of Theatre Arts collaborates with the Ithaca College London Center’s Drama Programme with a 9-credit core program and additional credits available in British drama. Please refer to the International Programs section or see course descriptions.

See THEA courses (p. 634)

See DNCE courses

### Theatre Studies Major — B.A.

The student is admitted to the major in theatre studies following a successful interview with members of the theatre faculty.

**Foundation courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 10000</td>
<td>Introduction to the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 10100</td>
<td>Stagecraft</td>
<td>2</td>
</tr>
<tr>
<td>THEA 10200</td>
<td>Technical Theatre Practicum</td>
<td>1</td>
</tr>
<tr>
<td>THEA 10400</td>
<td>Introduction to Theatrical Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 13000</td>
<td>Script Analysis for the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 13100</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 24100</td>
<td>History of Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 24200</td>
<td>History of Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 25100</td>
<td>Theatre Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 31100</td>
<td>Dramatic Literature I</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: THEA 10200 Technical Theatre Practicum (1 credit) must be taken three times, totalling 3 credits.

**Select two for a total of 6-9 credits:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 31200</td>
<td>Dramatic Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 21900</td>
<td>Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>THEA 34900</td>
<td>Interrelationships: British Drama and Cultural Life – Lecture</td>
<td>6</td>
</tr>
</tbody>
</table>

**Subtotal: 38-41**

**Upper-level history and theory courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 44100</td>
<td>Contemporary Developments in Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one for a total of 3 credits:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 44200</td>
<td>Theories of Comedy and Tragedy</td>
<td>3</td>
</tr>
<tr>
<td>THEA 44300</td>
<td>Aesthetics and Criticism of Drama</td>
<td>3</td>
</tr>
<tr>
<td>THEA 44400</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 6**

**Language Requirement**

Foreign language competence up to and including the intermediate level

**Total, required courses for the theatre studies major** 44-59

**Electives**

61-76

**Total, B.A. theatre studies** 120

### Acting Major — B.F.A.

**Foundation courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 10100</td>
<td>Stagecraft</td>
<td>2</td>
</tr>
<tr>
<td>THEA 10200</td>
<td>Technical Theatre Practicum</td>
<td>1</td>
</tr>
<tr>
<td>THEA 13000</td>
<td>Script Analysis for the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 24100</td>
<td>History of Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 24200</td>
<td>History of Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 25100</td>
<td>Theatre Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 21900</td>
<td>Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 31100</td>
<td>Dramatic Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 31200</td>
<td>Dramatic Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>
Note: THEA 10200 Technical Theatre Practicum should be taken for 3 semesters (total of 3 credits).

Select one for a total of 3 credits:
THEA 44200 Theories of Comedy and Tragedy 3
THEA 44300 Aesthetics and Criticism of Drama 3
THEA 44400 Senior Seminar 3

Subtotal: 35-38

Acting, voice, movement, and dance courses
THEA 13300 Scene Study I 2
THEA 13400 Scene Study II 3
THEA 13500 Voice and Movement for the Stage I 2
THEA 13600 Voice and Movement for the Stage II 2
THEA 23300 Scene Study III 3
THEA 23400 Scene Study IV 3
THEA 23500 Voice and Speech for the Stage I 1.5
THEA 23600 Voice and Speech for the Stage II 1.5
THEA 23700 Movement for the Stage I 1.5
THEA 23800 Movement for the Stage II 1.5
THEA 33100 Styles of Acting: The Greeks and Shakespeare 3
THEA 33200 Styles of Acting: Farce and High Comedy 3
THEA 33500 Advanced Voice and Speech for the Stage 3
THEA 33600 Dialects for the Stage 3
THEA 43100 Acting for the Camera 3
THEA 43000 Audition Techniques 2
DNCE xxxx Select three classes of dance technique* 3-6

Subtotal: 41-44

*Note: DNCE 10000, DNCE 30100, and DNCE 30200 may not count toward this requirement. THEA 13700 Stage Combat and THEA 23900 Alexander Technique may count toward this requirement. In addition, PALS 01500 Fencing, PALS 09000 Personal Defense, PALS 09300 Personal Fitness I, or PALS 05900 Gymnastic Activities may be substituted for up to 1 credit of dance with approval of program adviser.

Dance courses must be at the appropriate level, determined in consultation with dance faculty members.

Electives in the department
THEA xxxx or DNCE xxxx electives in theatre arts or dance 11

Summary

Electives required to complete the degree 27-33

Total, credits required for the major 87-93

Musical Theatre Major — B.F.A.

The B.F.A. in musical theatre is a double degree with the School of Music. Because of this, the humanities and sciences general education requirements (see “General Education in Humanities and Sciences” (p. 110)) are adjusted for this degree.

In addition to completing the foundation requirements in math and writing required of all H&S students, students in this degree program take 18 credits of focused curricular choice courses, as follows:

• Six credits of self and society (area 1)
• Six credits of science, mathematics, and formal reasoning (area 2)
• Six credits of human expression (area 3)

Six of the credits in any of these areas must also have the global and/or historical perspectives designation (g, h). Students may use courses in the major to satisfy the human expression requirement.

Foundation courses
THEA 10100 Stagecraft 2
THEA 10200 Technical Theatre Practicum 1
THEA 13000 Script Analysis for the Theatre 3
THEA 24100 History of Theatre I 3
THEA 24200 History of Theatre II 3

Note: Students must take two semesters of THEA 10200 Technical Theatre Practicum for a total of 2 credits.

Select one course (3-6 credits) from the following:
ENGL 31100 Dramatic Literature I 3
ENGL 21900 Shakespeare 3
THEA 34900 Interrelationships: British Drama and Cultural Life – Lecture 6

Subtotal: 16-19
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THEA 13300</td>
<td>Scene Study I</td>
<td>2</td>
</tr>
<tr>
<td>THEA 13400</td>
<td>Scene Study II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 13500</td>
<td>Voice and Movement for the Stage I</td>
<td>2</td>
</tr>
<tr>
<td>THEA 13600</td>
<td>Voice and Movement for the Stage II</td>
<td>2</td>
</tr>
<tr>
<td>THEA 23300</td>
<td>Scene Study III</td>
<td>3</td>
</tr>
<tr>
<td>THEA 23400</td>
<td>Scene Study IV</td>
<td>3</td>
</tr>
<tr>
<td>THEA 23500</td>
<td>Voice and Speech for the Stage I</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 23600</td>
<td>Voice and Speech for the Stage II</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 23700</td>
<td>Movement for the Stage I</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 23800</td>
<td>Movement for the Stage II</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 33300</td>
<td>Fundamentals of Musical Theatre Song Performance</td>
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</tr>
<tr>
<td>THEA 33100</td>
<td>Styles of Acting: The Greeks and Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>THEA 33200</td>
<td>Styles of Acting: Farce and High Comedy</td>
<td>3</td>
</tr>
<tr>
<td>THEA 43300</td>
<td>Musical Theatre Workshop: Repertoire and Style</td>
<td>2</td>
</tr>
</tbody>
</table>

Select one course (2-3 credits) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 43400</td>
<td>Musical Theatre Workshop: Audition and Advanced</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 44700</td>
<td>Opera Workshop</td>
<td>2</td>
</tr>
<tr>
<td>THEA 43100</td>
<td>Acting for the Camera</td>
<td>3</td>
</tr>
<tr>
<td>THEA 43200</td>
<td>Daytime TV Drama</td>
<td>3</td>
</tr>
<tr>
<td>THEA 43000</td>
<td>Audition Techniques</td>
<td>2</td>
</tr>
<tr>
<td>THEA 33500</td>
<td>Advanced Voice and Speech for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>THEA 33600</td>
<td>Dialects for the Stage</td>
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Subtotal: 33-34

Dance courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>DNCE 11100</td>
<td>Ballet I</td>
<td>1</td>
</tr>
<tr>
<td>DNCE 11200</td>
<td>Ballet II</td>
<td>1</td>
</tr>
<tr>
<td>DNCE 12100</td>
<td>Modern Dance I</td>
<td>1</td>
</tr>
<tr>
<td>DNCE 12200</td>
<td>Modern Dance II</td>
<td>1</td>
</tr>
<tr>
<td>DNCE 13100</td>
<td>Jazz Dance I</td>
<td>1</td>
</tr>
<tr>
<td>DNCE 13200</td>
<td>Jazz Dance II</td>
<td>1</td>
</tr>
<tr>
<td>DNCE 14100</td>
<td>Tap Dance I</td>
<td>1</td>
</tr>
<tr>
<td>DNCE 14200</td>
<td>Tap Dance II</td>
<td>1</td>
</tr>
<tr>
<td>DNCE 36100</td>
<td>Dance for the Musical Stage I</td>
<td>2</td>
</tr>
<tr>
<td>DNCE 36200</td>
<td>Dance for the Musical Stage II</td>
<td>2</td>
</tr>
</tbody>
</table>

Select two courses of DNCE at level-2 or higher:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>DNCE 21100</td>
<td>Ballet III</td>
<td>2</td>
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</tbody>
</table>

Subtotal: 16

Music courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUNM 10400</td>
<td>Basic Materials of Music</td>
<td>2</td>
</tr>
<tr>
<td>MUTH 12100</td>
<td>Introduction to Musical Styles</td>
<td>2</td>
</tr>
<tr>
<td>MUNM 17100</td>
<td>Keyboard Musicianship I for Musical Theater Majors</td>
<td>1</td>
</tr>
<tr>
<td>MUNM 17200</td>
<td>Keyboard Musicianship II for Musical Theater Majors</td>
<td>1</td>
</tr>
<tr>
<td>MUNM 22100</td>
<td>Musicianship for the Theater</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 22200</td>
<td>Musicianship for the Theater</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 35100</td>
<td>American Musical Theater: History and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PFMJ 19900</td>
<td>Performance Repertoire and Pedagogy</td>
<td>0.5</td>
</tr>
<tr>
<td>PFMJ 10100</td>
<td>Voice I - Music Major</td>
<td>1 to 4</td>
</tr>
<tr>
<td>PFMJ 20100</td>
<td>Voice II - Music Majors</td>
<td>1 to 4</td>
</tr>
<tr>
<td>PFMJ 30100</td>
<td>Voice III - Music Majors</td>
<td>1 to 4</td>
</tr>
<tr>
<td>PFMJ 40100</td>
<td>Voice IV - Music Majors</td>
<td>1 to 4</td>
</tr>
</tbody>
</table>

Subtotal: 34

Note: Students must take 3 credits of PFMJ 10100 and 4 credits each of PFMJ 20100, PFMJ 30100, and PFMJ 40100, for a total of 15 credits of voice study.

Summary

Total, foundation courses 16-19
Total, acting, voice, and movement courses 33-34
Total, dance courses 16
Total, music courses 34
Total, courses required for the major 99-103
Total, electives required to complete the degree 17-21
Total, B.F.A. musical theatre 120
Theatrical Production Arts Major — B.F.A.

Students must select a concentration either in Technology or Design.

**Foundation Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 13000</td>
<td>Script Analysis for the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 13100</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 24100</td>
<td>History of Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 24200</td>
<td>History of Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 34300</td>
<td>History of Costume and Decor I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 34400</td>
<td>History of Costume and Decor II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two courses for a total of 6-9 credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 21900</td>
<td>Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 31100</td>
<td>Dramatic Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 31200</td>
<td>Dramatic Literature II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 34900</td>
<td>Interrelationships: British Drama and Cultural Life – Lecture</td>
<td>6</td>
</tr>
</tbody>
</table>

Select one course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 25100</td>
<td>Theatre Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>THEA 25200</td>
<td>Stage Management</td>
<td>3</td>
</tr>
<tr>
<td>THEA 35500</td>
<td>Directing I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 27-30**

**Production Arts Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 11000</td>
<td>Theatre Production I</td>
<td>1</td>
</tr>
<tr>
<td>THEA 11100</td>
<td>Theatrical Drafting and Model Building</td>
<td>3</td>
</tr>
<tr>
<td>THEA 11200</td>
<td>Theatre Technology I: Scenery</td>
<td>3</td>
</tr>
<tr>
<td>THEA 11300</td>
<td>Theatre Technology I: Costumes</td>
<td>3</td>
</tr>
<tr>
<td>THEA 11400</td>
<td>Theatre Technology I: Lighting and Sound</td>
<td>3</td>
</tr>
<tr>
<td>THEA 11600</td>
<td>Theatre Technology I: Properties and Paint</td>
<td>3</td>
</tr>
<tr>
<td>THEA 12000</td>
<td>Theatrical Design Foundations</td>
<td>3</td>
</tr>
<tr>
<td>THEA 21000</td>
<td>Theatre Production II</td>
<td>2</td>
</tr>
<tr>
<td>THEA 31000</td>
<td>Theatrical Production III</td>
<td>3</td>
</tr>
<tr>
<td>THEA 41000</td>
<td>Theatre Production IV: Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Students must take two semesters of THEA 11000, THEA 21000, and THEA 41000.

Select two for a total of 6 credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 22200</td>
<td>Theatrical Design I: Scenic</td>
<td>3</td>
</tr>
<tr>
<td>THEA 22300</td>
<td>Theatrical Design I: Costume</td>
<td>3</td>
</tr>
<tr>
<td>THEA 22400</td>
<td>Theatrical Design I: Lighting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 22500</td>
<td>Theatrical Design I: Sound</td>
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</tr>
</tbody>
</table>

**Subtotal: 39**

**Technology Concentration Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 41100</td>
<td>Seminar in Theatre Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Graphic Skills**

Select one for a total of 3 credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 21100</td>
<td>Computer Aided Drafting for the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 22000</td>
<td>Computer-Aided Design for the Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

**Advanced Technology**

Select five for a total of 15 credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 31200</td>
<td>Theatre Technology II: Scenery</td>
<td>3</td>
</tr>
<tr>
<td>THEA 31300</td>
<td>Theatre Technology II: Costumes</td>
<td>3</td>
</tr>
<tr>
<td>THEA 31400</td>
<td>Theatre Technology II: Lighting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 31500</td>
<td>Theatre Technology II: Sound</td>
<td>3</td>
</tr>
<tr>
<td>THEA 31600</td>
<td>Theatre Technology II: Properties</td>
<td>3</td>
</tr>
<tr>
<td>THEA 31700</td>
<td>Theatre Technology II: Paint</td>
<td>3</td>
</tr>
<tr>
<td>THEA 31900</td>
<td>Technical Direction for the Theatre</td>
<td>3</td>
</tr>
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</table>

**Subtotal: 21**

**Design Concentration Requirements**

Select one course not taken as part of the core curriculum:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 22200</td>
<td>Theatrical Design I: Scenic</td>
<td>3</td>
</tr>
<tr>
<td>THEA 22300</td>
<td>Theatrical Design I: Costume</td>
<td>3</td>
</tr>
<tr>
<td>THEA 22400</td>
<td>Theatrical Design I: Lighting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 22500</td>
<td>Theatrical Design I: Sound</td>
<td>3</td>
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**Basic Skills**

Select 6-7 credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 13000</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 22100</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>MUMC 14500</td>
<td>Introduction to Electroacoustic Music</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 24800</td>
<td>Digital Sound Production</td>
<td>2</td>
</tr>
<tr>
<td>MUMC 25000</td>
<td>Digital Recording and Editing</td>
<td>2</td>
</tr>
<tr>
<td>MUNM 17300</td>
<td>Keyboard Musicianship I for the Non-Music Major</td>
<td>1</td>
</tr>
<tr>
<td>MUNM 17400</td>
<td>Keyboard Musicianship II for the Non-Music Major</td>
<td>1</td>
</tr>
</tbody>
</table>

**Graphics Skills**
Select one for a total of 3 credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART xxxx</td>
<td>Advanced Art Studio</td>
<td>3</td>
</tr>
<tr>
<td>THEA 21100</td>
<td>Computer Aided Drafting for the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 22000</td>
<td>Computer-Aided Design for the Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

Advanced Design
Select two for a total of 6 credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 32200</td>
<td>Theatrical Design II: Scenic</td>
<td>3</td>
</tr>
<tr>
<td>THEA 32300</td>
<td>Theatrical Design II: Costume</td>
<td>3</td>
</tr>
<tr>
<td>THEA 32400</td>
<td>Theatrical Design II: Lighting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 32500</td>
<td>Theatrical Design II: Sound</td>
<td>3</td>
</tr>
</tbody>
</table>

Interdisciplinary Visual and Aural History
Select 6-7 credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH xxxx</td>
<td>Any course in art history</td>
<td>3</td>
</tr>
<tr>
<td>MUTH 12100</td>
<td>Introduction to Musical Styles</td>
<td>2</td>
</tr>
<tr>
<td>JAZZ 16100</td>
<td>Survey of Jazz History</td>
<td>2</td>
</tr>
<tr>
<td>MUNM 13000</td>
<td>Music in Society</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 14000</td>
<td>Rock Styles Since 1955</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 16100</td>
<td>Worlds of Music</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 16300</td>
<td>Music in London</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25100</td>
<td>Music and the Media</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25300</td>
<td>Involvement with Music</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25500</td>
<td>Women in Music</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25600</td>
<td>Women in Popular Music: From Bessie Smith to MTV</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25700</td>
<td>History of American Popular Song</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25800</td>
<td>Music of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 25900</td>
<td>African American Popular Music: Blues to Hip Hop</td>
<td>3</td>
</tr>
<tr>
<td>MUNM 35100</td>
<td>American Musical Theater: History and Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 111-116

Summary

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, foundation courses</td>
<td>27-30</td>
</tr>
<tr>
<td>Total, production arts courses</td>
<td>39</td>
</tr>
</tbody>
</table>

Total, technology concentration: 21
Total, design concentration: 24-26
Total, credits in the major: 87-95
Total, electives required to complete the degree: 25-33
Total, B.F.A. in theatrical production arts with a technology or design concentration: 120

Theatre Arts Management Major — B.S.

The student is admitted to the major in theatre arts management following a successful interview with members of the theatre faculty.

Foundation courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 10100</td>
<td>Stagecraft</td>
<td>2</td>
</tr>
<tr>
<td>THEA 10200</td>
<td>Technical Theatre Practicum</td>
<td>1</td>
</tr>
<tr>
<td>THEA 10400</td>
<td>Introduction to Theatrical Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 13000</td>
<td>Script Analysis for the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 13100</td>
<td>Acting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 24100</td>
<td>History of Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 24200</td>
<td>History of Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 35500</td>
<td>Directing</td>
<td>3</td>
</tr>
<tr>
<td>THEA 44100</td>
<td>Contemporary Developments in Theatre</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 31100</td>
<td>Dramatic Literature I</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Students must take a total of 3 credits of THEA 10200 Technical Theatre Practicum.

Choose one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 31200</td>
<td>Dramatic Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 21900</td>
<td>Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>THEA 34900</td>
<td>Interrelationships: British Drama and Cultural Life – Lecture</td>
<td>6</td>
</tr>
<tr>
<td>THEA 34800</td>
<td>Drama and the London Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 32-35

Theatre management courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 15000</td>
<td>Theatre Management Practicum</td>
<td>1 to 3</td>
</tr>
<tr>
<td>THEA 25000</td>
<td>Promotion and Publicity for the Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>THEA 25100</td>
<td>Theatre Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>THEA 35100</td>
<td>Fund-Raising for the Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>THEA 35200</td>
<td>Producing Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 49100-49199</td>
<td>Professional Internship Theatre</td>
<td>3 to 12</td>
</tr>
</tbody>
</table>
Note: Students must take a total of 3 credits of THEA 15000 Theatre Management Practicum.

**Business courses**
- **MATH 10500** Mathematics for Decision Making 3
- **MATH 10800** Calculus for Decision Making 4
- **GBUS 20300** Legal Environment of Business I 3
- **ECON 12100** Principles of Macroeconomics 3
- **ECON 12200** Principles of Microeconomics 3
- **STCM 24100** Advertising 3
- **CMST 11500** Business & Professional Comm 3
- **WRTG 21100** Writing for the Workplace 3
- **COMP 11000** Computers and Information Technologies 3
- **COMP 10500** Introduction to Website Development 3
- **COMP 17100** Principles of Computing Science I 4
- **ACCT 22500** Financial Accounting 3
- **ACCT 22600** Management Accounting 3
- **MGMT 20600** Organizational Behavior and Management 3

**Subtotal: 30-32**

**Total, courses required for the theatre arts management major** 80-94

**Electives** 26-40

**Total, B.S. in theatre arts management** 120

**Theatre Electives**
- **THEA xxxxx** Any six credits of THEA courses not restricted to majors 6

**Communication Studies or Theatre elective**
*Select one for a total of 3 credits:*
- **CMST 23000** Analysis and Performance of Literature 3
- **CMST 33300** Analysis and Performance of Prose 3
- **CMST 33400** Group Performance of Literature 3
- **CMST 33500** Analysis and Performance of Poetry 3
- **THEA xxxxx** Any THEA course not restricted to majors 3

**Subtotal: 9**

**Total, theatre minor** 18

**Dance Minor**
The dance minor combines technique with academic study. It is intended to supplement majors in related fields such as theatre, music or physical and occupational therapy. Students must audition for entrance into the minor. Auditions are scheduled through the theatre department office.

**Foundation courses**
- **DNCE 10000** Introduction to Dance 3
- **DNCE 30100** Survey of Dance History 3
- **DNCE 30200** Dance Composition 3

**Subtotal: 9**

**Core technique courses**
- **DNCE 21100** Ballet III 2
- **DNCE 22100** Modern Dance III 2

**Subtotal: 8**

Note: Students must take two semesters each of DNCE 21100 and DNCE 22100.

**Additional technique courses**
*Select two credits from the following:*
- **DNCE 13100** Jazz Dance I 1
- **DNCE 13200** Jazz Dance II 1
- **DNCE 14100** Tap Dance I 1
- **DNCE 14200** Tap Dance II 1
- **DNCE 23100** Jazz Dance III 2
- **DNCE 24100** Tap Dance III 2
- **DNCE 31100** Ballet IV 2
- **DNCE 31200** Ballet IV with Pointe 2.5
- **DNCE 32100** Modern Dance IV 2
- **DNCE 33100** Jazz Dance IV 2
DNCE 34100  Tap Dance IV  2
DNCE 36100  Dance for the Musical Stage I  2
DNCE 36200  Dance for the Musical Stage II  2

Subtotal: 2

Total, minor in dance  19

Department of Writing

Bachelor of Arts

Jack Wang, Associate Professor and Chair

The Department of Writing offers a comprehensive curriculum designed to foster clarity and creativity in expression, as well as to develop expertise in various writing styles and genres. It provides instruction in first-year writing for entering students, advanced study in expository, creative, and professional writing, and a 21-credit minor for students in diverse disciplines. The B.A. in writing offers serious writers guidance and experience in a range of genres; students may also elect to complete a concentration in creative writing, nonfiction, feature writing, or professional writing. The major, which blends theory and practice, prepares students for graduate study, professional positions, and careers in writing.

Writing Center

The Department of Writing operates the Writing Center, located in 107 Smiddy Hall. It offers individual and small group tutorials on a referred or self-selected basis to students needing assistance in any stage of the writing process. Other services include help with reading-comprehension and study skills and with refining English skills for nonnative speakers. The Writing Center Annex in Smiddy 109 is available in the evenings as a computer lab for students working on writing assignments.

The Distinguished Visiting Writers Series

Every semester The Distinguished Visiting Writers Series brings writers of national standing to campus in the genres of fiction, poetry, and nonfiction. In addition to giving public readings, visiting writers teach a 1-credit multi-genre master class that includes individual conferences with students. Admission to the class is by application only.

Internship Program in Writing & Publishing

Writing juniors and seniors may intern at more than 40 sites in the Ithaca area throughout the year. Our program assists students in locating internships both locally and at diverse sites across the U.S. during the summer months or during the academic year.

Stillwater

The Department of Writing offers a special opportunity to students interested in writing and graphic arts to publish Stillwater, an annual magazine of poetry, prose, photography, and art. The students who staff the publication make all editorial selections and do layout, publicity, and production. Submissions are open to the entire College community.

See WRTG courses (p. 652)

Writing Major — B.A.

Credits in the department

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 16500</td>
<td>Introduction to the Essay</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 17500</td>
<td>Introduction to Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 20100</td>
<td>Argument</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 20500</td>
<td>Personal Essay</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 31100</td>
<td>Writing for the Professions</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 32000</td>
<td>Public Essay</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33600</td>
<td>Fiction Writing II</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33800</td>
<td>Poetry Writing II</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: WRTG 31100, WRTG 33600, and WRTG 33800 have prerequisites beyond those specified for the major.

Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 36000</td>
<td>Composition Theory</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 36500</td>
<td>Poetics</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: WRTG 36500 has prerequisites beyond those specified for the major.

Required level-4 courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 41000</td>
<td>Senior Project</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 41500</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Writing electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG xxxxx</td>
<td>Writing electives at level 2 or above</td>
<td>15</td>
</tr>
</tbody>
</table>

Subtotal: 39

Note: Students must take five writing electives at level 2 or above, with at least 9 credits at level 3 or above.

Credits outside the department

Required outside field

All writing majors must complete an outside field. This may be (1) an 18- to 21-credit minor in any Ithaca College department; (2) a 15-credit minor in any Ithaca College department plus one related 3-credit course; or (3) an individually designed outside field (minimum of 18 credits).
credits, with at least 9 credits above level 1), which is planned in conjunction with the student’s adviser and approved by the department chair. For students with a double major, the other major counts as the outside field.

Required language

All writing majors must complete study of a language other than English through the first semester of the intermediate level or demonstrate equivalent proficiency (0-9 credits). An acceptable substitute for this requirement is one semester of formal study abroad in a country where the language predominantly spoken is not English.

General degree or elective concentration in writing

Majors may complete a general degree in writing or they may declare a formal concentration in creative writing, nonfiction, feature writing, or professional writing. Concentrations, if elected, must be declared by the end of the first semester of the senior year. Requirements for concentrations may overlap with writing electives. See Elective concentrations (p. 193).

Subtotal: 39

Summary

| Total, credits in the department | 57-69 |
| Total, credits outside the department | 18-30 |
| Total, open electives | 51-63 |
| Total, B.A. in writing | 120 |

Elective concentrations

Writing majors may complete a general degree in writing or they may declare a formal concentration in creative writing, nonfiction, feature writing, or professional writing (see below for concentration requirements). Concentrations, if elected, must be declared by the end of the first semester of the senior year. Requirements for concentrations may overlap with writing electives.

Creative Writing Concentration

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 23600</td>
<td>Fiction Writing I: Short Story</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 23800</td>
<td>Poetry Writing I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 33600</td>
<td>Fiction Writing II</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33800</td>
<td>Poetry Writing II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 30100</td>
<td>Autobiography</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 30500</td>
<td>Writing Science Fiction and Fantasy</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 31000</td>
<td>Women and Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 32500</td>
<td>Writing Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33400</td>
<td>Humorous Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33600</td>
<td>Fiction Writing II</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33800</td>
<td>Poetry Writing II</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 35400</td>
<td>Selected Topics in Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 35600</td>
<td>Selected Topics in Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 38000</td>
<td>Writers' Workshop</td>
<td>1</td>
</tr>
<tr>
<td>WRTG 43600</td>
<td>Writing the Short Novel</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 45000</td>
<td>Internship: Writing</td>
<td>1 to 6</td>
</tr>
</tbody>
</table>

Subtotal: 15

Note: Students may take WRTG 38000 three times.

Subtotal: 15

Nonfiction concentration

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 32000</td>
<td>Public Essay</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 30100</td>
<td>Autobiography</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 31000</td>
<td>Women and Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 31400</td>
<td>Science Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 31900</td>
<td>Writing as a Naturalist</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33100</td>
<td>Feature Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33400</td>
<td>Humorous Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33500</td>
<td>Selected Topics in Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 38000</td>
<td>Writers' Workshop</td>
<td>1</td>
</tr>
<tr>
<td>WRTG 42000</td>
<td>Apprenticeship</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 45000</td>
<td>Internship: Writing</td>
<td>1 to 6</td>
</tr>
</tbody>
</table>

Subtotal: 15

Note: Students may take WRTG 38000 three times.

Subtotal: 15

Feature writing concentration

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 32000</td>
<td>Public Essay</td>
<td>3</td>
</tr>
<tr>
<td>WRTG 33100</td>
<td>Feature Writing</td>
<td>3</td>
</tr>
</tbody>
</table>
Select three courses from the following:

- WRTG 21100 Writing for the Workplace 3
- WRTG 31400 Science Writing 3
- WRTG 31900 Writing as a Naturalist 3
- WRTG 34000 Magazine Writing 3
- WRTG 34200 Writing about Sports 3
- WRTG 34500 Writing as a Critic 3
- WRTG 45000 Internship: Writing 1 to 6

Subtotal: 15

Professional writing concentration

Required

- WRTG 21100 Writing for the Workplace 3
- WRTG 31100 Writing for the Professions 3

Select three courses from the following:

- WRTG 21300 Technical Writing 3
- WRTG 31400 Science Writing 3
- WRTG 31700 Proposal and Grant Writing 3
- WRTG 45000 Internship: Writing 1 to 6

Subtotal: 15

Writing Minor

Requirements

- WRTG 10600 Academic Writing I 3
- WRTG 20100 Argument 3
- WRTG 20500 Personal Essay 3

Electives

- WRTG xxxxx Elective credits in writing (6 credits at level 3 or above) 12

Total, minor in writing 21

All writing courses in the minor should be taken in the Department of Writing or at the Ithaca College London Center. Exceptions: Students who receive course-specific transfer credit for first-year composition and transfer students with WRTG 18888 or WRTG 28888 credit from another institution may count up to 6 generic writing credits toward the writing minor.

Additional requirements for the minor

1. All writing courses must be taken for a grade to count toward the minor. Students must complete WRTG 10600 with a B- or better. Any student receiving below B- in this course must take WRTG 11100 and receive at least a B- to qualify for the writing minor. Writing courses at level 2 or above must be completed with a C or better.
2. No more than two level-1 courses will count toward the writing minor.
3. No more than 3 credits may count toward the writing minor in each of the following courses: WRTG 42000, WRTG 45000, or WRTG 49800/49900. A maximum of 6 credits from among these courses may be applied toward the writing minor.
4. Up to 6 credits in the writing minor may overlap with a student’s writing requirements in a major.

Interdisciplinary Studies

The School of Humanities and Sciences offers a variety of opportunities for interdisciplinary study. Students can choose to enroll in one of the several interdisciplinary minors the school offers to supplement the disciplinary focus of their major; many of these minors cross departmental, and even school, boundaries in the required courses. Some programs offer individual courses that provide the opportunity for students, whether formally in the minor or not, to explore interdisciplinary areas of inquiry. Students interested in engaging in independent service learning projects with an interdisciplinary, rather than department-based, focus can sign up for individual courses through the community service program.

Links to the individual pages for the following interdisciplinary minors in the school are included here (an asterisk indicates that the program also offers individual courses).

- Ithaca College Honors Program (p. 195) (by invitation only)
- Center for the Study of Culture, Race and Ethnicity (p. 195)*
  - African Diaspora Studies (p. 195)
  - Latino/a Studies (p. 196)
  - Native American Studies (p. 197)
- Classical Studies (p. 198)
- Community Service Program* (p. 199) (not a formal minor)
- Counseling Minor (p. 199)
- Jewish Studies* (p. 200)
- Latin American Studies (p. 201)
- Medieval and Renaissance Studies (p. 201)
- Muslim Cultures (p. 202)
- Neuroscience (p. 203)
Ithaca College Honors Program

Robert G. Sullivan, Associate Professor and Director

A select number of exceptionally qualified applicants to Ithaca College are invited to apply to the Ithaca College Honors Program; if admitted, they participate in a series of special, intensive seminars complemented by an array of out-of-class activities. Starting in the fall of the first year, honors students begin a sequence of six honors seminar courses that help students meet general education and distribution requirements. The sequence includes

- a first-year seminar taken in the first semester;
- four intermediate seminars; and
- a capstone seminar on universal issues, taken in the senior year.

The seminars focus on a problem, theme, or topic approached from multiple perspectives, taking the student beyond the normal boundaries of disciplinary thought. Students who complete the full seminar sequence graduate with a minor in honors as designated on their official College transcript. The Ithaca College Honors Program does not conflict with departmental honors programs; qualified students can complete both.

Qualified students not originally admitted to the honors program can apply after their first semester; early application is encouraged. Internal transfers to the program must complete a modified requirement of five honors courses: four intermediate seminars and the senior-year seminar. External transfer students may apply and will be considered for the program on a case-by-case basis. They are subject to the same honors program requirements as internal transfers.

External transfer students with honors associate degrees from institutions with which Ithaca College has articulation agreements may apply for the program. If they are admitted, they are required to complete a total of three courses: two intermediate seminars and the senior-year seminar.

Center for the Study of Culture, Race and Ethnicity

The Center for the Study of Culture, Race and Ethnicity is home for three interdisciplinary minors. In addition, CSCRE offers courses on a wide range of topics that are open to the entire campus community.

CSCRE Courses (p. 406)

African Diaspora Studies

Sean Eversley Bradwell, Assistant Professor and Co-Coordinator

Paula Ioanide, Assistant Professor and Co-Coordinator

The African diaspora studies minor covers a broad range of issues, from the historically constructed and contested nature of individual identities to issues of cultural and historical representation and social justice for groups of people.

Specifically, the minor’s goals are to encourage, allow, and facilitate

1. a study of the self in relationship to the “other” by investigating particular areas of racial, ethnic, and cultural diversity as well as the nature of encounters between diverse groups of people (the focus of many of the courses is on social movements, diasporas, migrations, and a questioning of borders or boundaries, identities, and representations);

2. the use of historical and comparative methodologies for providing a contextual understanding of the issues being studied;

3. a creative combination of epistemological or theoretical concerns with an analysis of real-life problems so that theory can serve as an entry point into praxis (this is necessary for understanding that ideas shape practices and that practices, in turn, reframe our ideas about the world);

4. a critical approach to issues of representation and identity, and, for those so motivated, an opening to construct theories of ethnic, cultural, or racial encounters;

5. an interrogation of notions of location and place.

Although the minor focuses on the experiences of African Americans, it will also call into question the inside/outside binary (e.g., the United States versus groups that are geographically outside the United States or that are geographically within the United States but excluded from the dominant discourse). In other words, the minor will allow students to study the United States within various global contexts. This is necessary for understanding the interconnected nature of contemporary social life.
African Diaspora Studies Minor

Required courses

Conceptual frameworks
- CSCR 10600 Introduction to African Diaspora Studies 3
- CSCR 12300 Introduction to Culture, Race & Ethnicity Concepts 3

Electives

Policy and Praxis
Select one course from the following:
- HLTH 20500 Critical Health Issues 3
- CSCR 24200 Miscegenation and Racial Binaries 3
- CSCR 32400 Critical Race Theories in the United States 3
- CSCR 35200 Punishment, Prisons, and Democracy 3

Culture and History
Select one course from the following:
- CSCR 25000 Hip-Hop Cultures 3
- HIST 20900 Ethnic United States since the Civil War 3
- ENGL 47000 Seminar in American Literature before 1890 3
- MUNM 25600 Women in Popular Music: From Bessie Smith to MTV 3
- MUNM 25900 African American Popular Music: Blues to Hip Hop 3
- CSCR 26100 Watching Race in American Media 3

Note: ENGL 47000: Students should check with the director of the program for a list of approved seminars.

Power and Liberation
Select one course from the following:
- CSCR 35100 Race and Sexual Politics 3
- CSCR 43300 Education, Oppression, and Liberation 3
- POLT 14100 Power: Race, Sex, and Class 3
- POLT 34200 Liberalism and Marxism 3
- POLT 40100 Seminar: Comparative and International Studies 1 to 4

Note: POLT 40100: Students should check with the director of the program for a list of approved seminars.

Comparative and International
Select one course from the following:
- ANTH 39000 Seminar on Anthropological Issues 3

POLT 34001 Selected Topics in Comparative-International Studies 3
POLT 34004 Selected Topics in Comparative-International Studies 3
POLT 40200 Seminar: Politics 1 to 4
CSCR 30700 Race and Colonialism 3
CSCR 43400 Capstone Seminar in Culture, Race, and Ethnicity 3

Note: POLT 34001 and POLT 40200: Students should check with the director of the program for a list of approved seminars.

CSCR 43400 will be designated to the appropriate electives category depending on the topic of the course.

Total, minor in African diaspora studies 18

Latino/a Studies

Paula Ioanide, Assistant Professor, Co-Coordinator
Gustavo Licón, Assistant Professor, Co-Coordinator

The Latino/a Studies minor covers a broad range of issues, from the historically constructed and contested nature of individual identities to issues of cultural and historical representation and social justice for groups of people.

Specifically, the minor’s goals are to encourage, allow, and facilitate

1. a study of the self in relationship to the “other” by investigating the particular areas of racial, ethnic, and cultural diversity as well as the nature of encounters between diverse groups of people (the focus of many of the courses is on social movements, diasporas, migrations, and a questioning of borders/boundaries, identities, and representations);

2. the use of historical and comparative methodologies for providing a contextual understanding of the issues being studied;

3. a creative combination of epistemological and theoretical concerns with an analysis of real-life problems so that theory can serve as an entry point into praxis (this is necessary for understanding that ideas shape practices and that practices, in turn, reframe our ideas about the world);

4. a critical approach to issues of representation and identity and, for those so motivated, an opening to construct theories of ethnic/cultural/racial encounters;

5. an interrogation of notions of location and place.

Although the minor focuses on the experiences of Latinos/Latinas, it will also call into question the inside/outside binary (e.g., the United States versus groups that are geographically outside the United States, or that
are geographically within the United States but excluded from the dominant discourse). In other words, the minor will allow students to study the United States within various global contexts. This is necessary for understanding the interconnected nature of contemporary social life.

**Latino/a Studies Minor**

**Required courses**

**Conceptual frameworks**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCR 10700</td>
<td>Introduction to Latino/a Studies</td>
<td>3</td>
</tr>
<tr>
<td>CSCR 12300</td>
<td>Introduction to Culture, Race &amp; Ethnicity Concepts</td>
<td>3</td>
</tr>
</tbody>
</table>

**Policy and Praxis**

*Select one course from the following:*

- CSCR 35200 Punishment, Prisons, and Democracy 3
- HLTH 20500 Critical Health Issues 3

**Culture and History**

*Select one course from the following:*

- CSCR 23700 History and the U.S. Mexico Borderlands 3
- HIST 20900 Ethnic United States since the Civil War 3
- SPAN 38000 Latino/a Culture through Literature 3
- CSCR 26100 Watching Race in American Media 3

**Power and Liberation**

*Select one course from the following:*

- CSCR 37400 Latino/a Social Movements 3
- POLT 14100 Power: Race, Sex, and Class 3
- POLT 34200 Liberalism and Marxism 3
- CSCR 35100 Race and Sexual Politics 3

**Comparative and International**

*Select one course from the following:*

- CSCR 47800 Las Americas: Globalizing Latino/a Studies 3
- ARTH 26500 Modern Latin American Art 3
- ENGL 47000 Seminar in American Literature before 1890 3

*POLT 40100 Seminar: Comparative and International Studies 1 to 4*

- CSCR 30700 Race and Colonialism 3
- CSCR 43400 Capstone Seminar in Culture, Race, and Ethnicity 3

Note: ENGL 47000 and POLT 40100: Students should check with the director of the program for a list of approved seminars.

CSCR 43400 will be designated to the appropriate electives category depending on the topic of the course.

**Total, minor in Latino/a studies** 18

**Native American Studies**

**Jack Rossen, Associate Professor and Coordinator**

Native American studies (NAS) is an interdisciplinary minor organized around various themes related to the past and present of indigenous peoples in North America and Hawaii. The NAS minor may be particularly valuable to students pursuing careers in communications, education, multicultural outreach, human services, medicine, and the social sciences.

Ithaca is located within the homeland of the Cayuga Nation, one of the Six Nations of the Haudenosaunee (Iroquois) Confederacy. Furthermore, Ithaca is not far from the Onondaga and Seneca Nations. Native Americans are therefore a prominent social and cultural presence in our region. Contemporary Native American issues such as cultural revitalization, land claims, health care, repatriation of human remains, and casinos appear regularly in the local news. Understanding these issues in terms of their history, cultural contexts, and economic impact is important for students in many fields of study. This region also hosts frequent cultural festivals, musical and theatrical performances, and art exhibits that provide opportunities for students to experience firsthand what they learn in NAS.

The minor in NAS requires 21 credit hours of work. A minimum of 3 credits is required from the “capstone experience” category. Capstone experiences are chosen from related class offerings that fall under the general categories of independent study, fieldwork, internships, and practicums from programs such as history, sociology, politics, women’s studies, and anthropology (such as ANTH 47500 Ethnographic Fieldwork and Research or ANTH 47600 Archaeological Fieldwork and Research). Classes appropriate for this requirement are reviewed and approved by the student’s minor adviser and NAS coordinator. The capstone experience integrates and synthesizes the knowledge and experience the student has acquired in the minor. Each student will determine the department for his or her capstone when declaring the minor.

**Native American Studies Minor**

**Introductory courses**

*Select 9 credits from the following:*

- ANTH 10400 Cultural Anthropology 3
ANTH 27000 North American Indians 3
SOCI 11600 Introduction to Multicultural Studies 3
SOCI 20700 Race and Ethnicity 3
Origins, history, and culture
Select 3 credits from the following:
HIST 25500 Native American History 3
ANTH 25100 People, Plants, and Culture: Ethnobotany and Archaeobotany 4
ANTH 27500 North American Archaeology 3
ANTH 27700 Native Americans and the Environment 3
ANTH 37200 Native American Women and Culture 3
Cultural area studies
Select 3 credits from the following:
HIST 26900 Mesoamerican Archaeology 3
ANTH 27300 The Iroquois and Their Neighbors 3
ANTH 27800 Northeastern Native Americans: Past and Present 3
Other electives
Select 3 credits from the following:
POLT 12300 Political Justice 3
POLT 30300 Constitutional Law: Civil Rights and Liberties 3
CNPH 21400 Hollywood and American Film 4
SPMM 29500 Social Aspects of Sport 3
RLST 10500 Introduction to World Religions: Indigenous and Eastern 3
Capstone experiences
Select 3 credits from the following:
xxx xxxxx Independent Study/Research 3
or
xxx xxxxx Fieldwork/Internship 3
Total, minor in Native American studies 21

Classical Studies
Matt Klemm, Assistant Professor and Coordinator

Ithaca College offers students an opportunity to study the classical tradition from an interdisciplinary perspective. The classical studies minor focuses on the languages, literatures, and civilizations of ancient Greece and Rome, as well as the later classical tradition. Since many of the ideas and principles that emerged in the classical world are basic to Western culture, courses in classics apply to the study of almost all the liberal arts and sciences. Classical studies is of particular interest to students of law, literature, rhetoric and composition, communication, modern languages, history, politics, religion, music, art history, drama, and philosophy. For more information, contact the program coordinator.

Classical Studies Minor

The minor has three components: (1) classical languages, (2) core courses in classical history and culture, and (3) electives.

Classical languages

- 6 credits of Latin or Greek above level 1, 0-6 or proficiency

Core courses in classical history and culture

Three courses, each from a different department, for a total of 9 credits. The following core courses are offered regularly.

Art history
- ARTH 20900 Introduction to the Roman World 3
- ARTH 21900 Arts of Antiquity: Greece and Rome 3

English
- ENGL 23100 Ancient Literature 3

History
- HIST 23100 The Ancient World: Greece and Rome 3
- HIST 35300 Ancient Greece 3

Philosophy and religion
- PHIL 10200 Introduction to Philosophy: Greek Foundations 3
- PHIL 20100 Plato and Aristotle 3

Communication studies
- CMST 32600 Classical Theories of Rhetoric 3

Electives

Six credits of electives are to be chosen from the list of courses maintained on the classical studies website or from the list of core courses in classical history and culture. Elective credits may also be applied from other appropriately focused courses, including independent studies, directed reading, or selected topics courses, with the approval of the program coordinator.

Additional courses, including experimental or occasional offerings with an appropriate focus may be considered as core courses by the coordinator. Check the classical studies website for additions to the list of core courses.

Total, core courses 9
Total electives 6
Total, minor in classical studies 15-21
Community Service Program

Students at Ithaca College who are interested in exploring social justice and civic engagement by involvement with agencies and groups in the community can enroll in for-credit independent study or internship courses in the community service program. This academic service learning program does not require that students have any specific disciplinary background; in addition, many community agencies assume no prior training and frequently provide their own orientation programs. Students may enroll in these individualized study courses at levels 2, 3, and 4, depending on their background and the type of experience. Faculty sponsorship is required; credit is variable according to the number of hours of work involved. The specific work to be done for credit is determined on an individual basis in the form of a learning contract between the student, the faculty sponsor, and the agency supervisor. For information about community service courses, contact Amanda Lippincott, professional development coordinator, School of Humanities and Sciences.

Community Service Program courses (p. 390)

Counseling Minor

Hugh Stephenson, Associate Professor, Psychology, and Coordinator

The interdisciplinary counseling minor is a partnership between the Departments of Psychology and Sociology; open to all students at the College, it is designed to provide a broad perspective and background in the field of mental health. This interdisciplinary approach to the study of mental health acknowledges the complementary contribution of these two disciplines that explore individual behavior from differing perspectives. Through this combination of approaches, the minor allows students to develop a rich and complex understanding of the development of distress, and a variety of perspectives on assessment, treatment, and crisis intervention in applied settings. The importance of the application of theory to practice is underscored by the required internship placement for all counseling minors. The minor prepares students for diverse careers where a basic grounding in counseling skills and knowledge are valuable: counseling skills are, for instance, integral to human service, health care, and many business roles and functions.

Core courses

- SOCI 10100 Introduction to Sociology 3
- PSYC 10300 General Psychology 3
- PSYC 21700 Mental Health in Historical and Social Contexts 3
  or
  SOCI 21700 Mental Health in Historical and Social Contexts 3
- SOCI 21400 Definitions of Normality 3
- PSYC 32100 Abnormal Psychology 3
- SOCI 30800 Counseling Theory and Dynamics 3
  or
  PSYC 34100 Forms of Therapy 3
- SOCI 49800 Internship in Sociology 1 to 12
  or
  SOCI 49801 Internship in Sociology 2 to 6
  or
  PSYC 42000 Professional Seminar in Human Services 1
  and
  PSYC 45000 Internship in Psychology 1 to 12

Subtotal: 21

Select one course from the following:

- PSYC 21010 Educational Psychology 3
- PSYC 24100 Family Dynamics and Therapy 3
- PSYC 26100 Psychology of Women 3
- PSYC 32000 Personality 3
- PSYC 36600 Psychology of Aging 3
- SOCI 30900 Group Counseling 3
- SOCI 34000 Essential Issues in Mental Health Treatment 3
- SOCI 40400 Crisis Counseling 3
- SOCI 40800 Counseling Methods 3
- GER 37000 Counseling the Older Adult 3
A minimum grade of C is required for courses to count toward the minor.

Note: Psychology and sociology majors may enroll in the minor. Sociology majors may count only two courses in the minor toward the sociology major. Psychology and sociology double majors count two courses from the minor for each major for a maximum of four courses. Psychology majors also may count only two courses in the minor toward the psychology major.

Subtotal: 21

Total, minor in counseling 24

Jewish Studies

Rebecca Lesses, Associate Professor and Coordinator

Jewish studies approaches the history and culture of the Jewish people from a multicultural and interdisciplinary perspective. The goals of the Jewish studies minor are to foster greater knowledge about Jewish history, religion, and culture and to explore who Jews are in their geographic and cultural diversity, and how they have interacted with other peoples politically, economically, socially, ideologically, philosophically, and artistically. In order to understand Jewish history, it is necessary to investigate the economic, political, and social forces that have affected the lives of Jews in varied cultural settings for thousands of years. The study of Jewish cultures includes religious beliefs and practices, philosophy, literature, folklore, visual arts, music, and the media.

The Jewish studies minor is relevant for students going on to graduate study in any of a number of disciplines, with or without a Jewish studies focus. It is also important for students contemplating professional careers related to Jewish religion, education, or community service (e.g., as rabbis, cantors, Jewish educators, social workers, or administrators of Jewish community programs). More generally, it is a useful minor for a wide variety of students pursuing careers in which multicultural awareness is important.

The minor in Jewish studies requires 18 credit hours of work, including a basic language proficiency in Hebrew or another Jewish language (Yiddish or Judeo-Espanol).

Jewish Studies Courses (p. 476)

Jewish Studies Minor

Select 3 credits from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JWST 20100</td>
<td>Jews in the Ancient and Medieval Worlds</td>
<td>3</td>
</tr>
<tr>
<td>JWST 20200</td>
<td>Jews in the Modern World</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 3 credits from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JWST 10300</td>
<td>Hebrew Scriptures</td>
<td>3</td>
</tr>
<tr>
<td>JWST 20300</td>
<td>Judaism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 32400</td>
<td>Literature of the Bible</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 12 credits from the following courses, with at least 3 credits in at least two of the three categories:

Social science and history

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>JWST 20100</td>
<td>Jews in the Ancient and Medieval Worlds</td>
</tr>
<tr>
<td>JWST 20200</td>
<td>Jews in the Modern World</td>
</tr>
<tr>
<td>POLT 23000</td>
<td>The Holocaust</td>
</tr>
<tr>
<td>POLT 33900</td>
<td>Political Economy of the Middle East</td>
</tr>
<tr>
<td>POLT 40100</td>
<td>Seminar: Comparative and International Studies</td>
</tr>
<tr>
<td>POLT 40200</td>
<td>Seminar: Politics</td>
</tr>
</tbody>
</table>

Note: POLT 40100, POLT 40200, and CMST 38900 may count toward the minor when their topic is appropriate to Jewish studies.

Religious studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>JWST 10300</td>
<td>Hebrew Scriptures</td>
</tr>
<tr>
<td>JWST 20300</td>
<td>Judaism</td>
</tr>
<tr>
<td>JWST 32300</td>
<td>Gender and Sexuality in Judaism</td>
</tr>
<tr>
<td>JWST 33300</td>
<td>Jewish Mysticism</td>
</tr>
<tr>
<td>JWST 42000</td>
<td>Internship: Jewish Studies</td>
</tr>
<tr>
<td>JWST 49100</td>
<td>Independent Study in Jewish Studies</td>
</tr>
<tr>
<td>RLST 27500</td>
<td>Selected Topics in Religion</td>
</tr>
<tr>
<td>RLST 37500</td>
<td>Selected Topics in Religion</td>
</tr>
</tbody>
</table>

Note: RLST 27500 and RLST 37500 may count toward the minor when the topic is appropriate to Jewish studies.

Language, literature, and the arts

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEBR 20200</td>
<td>Intermediate Hebrew II</td>
</tr>
<tr>
<td>HEBR 39900</td>
<td>Independent Study: Hebrew</td>
</tr>
<tr>
<td>ENGL 21100</td>
<td>Jewish-American Writers</td>
</tr>
<tr>
<td>JWST 34300</td>
<td>Biblical Interpretation in Judaism and Christianity</td>
</tr>
<tr>
<td>ENGL 32300</td>
<td>Biblical Interpretation in Judaism and Christianity</td>
</tr>
<tr>
<td>ENGL 32400</td>
<td>Literature of the Bible</td>
</tr>
<tr>
<td>MUEN 32100</td>
<td>Chamber Music</td>
</tr>
</tbody>
</table>

Subtotal: 12
Note: MUEN 32100 may count toward the minor when its focus is appropriate to Jewish studies.

Subtotal: 12

Total, minor in Jewish studies 18

Additional requirements
1. Students in the minor must successfully complete HEBR 10100 with a grade of at least C- or demonstrate equivalent proficiency on a placement test to be administered by the Department of Modern Languages and Literatures. Students may petition the coordinator to substitute another Jewish language (Yiddish or Judeo-Español) in place of Hebrew, in which case testing for placement shall be done in conformity with testing of such proficiencies for any language by the Department of Modern Languages and Literatures.

2. No more than 6 credits from a student’s major department or 3 credits from a student’s second minor will count toward the Jewish studies minor.

3. No more than 3 credits of internship or independent study will count toward the Jewish studies minor.

4. At least 6 credits toward the minor must come from courses at level 3 or above.

5. At least 9 credits toward the minor must be taken at Ithaca College.

Latin American Studies

Jonathan Ablard, Associate Professor and Co-coordinator (fall semester)

Jennifer Jolly, Associate Professor and Co-coordinator (spring semester)

Latin America is an extraordinarily diverse area, encompassing a wide variety of cultures, political units, economies, languages, and environments. The goals of the Latin American studies minor are to foster greater knowledge about Latin America and to explore the cultural contributions of that area to the global community. The minor aims to expand students’ views concerning the multicultural nature of the peoples of Latin America and to emphasize the interactions between indigenous and introduced cultures in this region, both past and present. The Latin American studies minor will be useful to students envisioning careers in government, business, journalism, community service, public health, education, or the environment. Students interested in pursuing graduate work in any field related to Latin America will also find such a minor to be important.

Latin American Studies Minor

Students achieve the goals of the minor by taking a set of courses on Latin America in at least two different departments or, for more breadth, by choosing courses in several departments. The specific courses are selected according to the interests of the student from the list approved and updated each semester by the Latin American studies faculty.

The minor in Latin American studies requires 18 credit hours of work, including language proficiency through the intermediate level 2 or equivalent proficiency as demonstrated by a placement examination.

1. Prior to enrolling for the next semester, a student must have his or her minor courses approved on the advising form kept by his or her adviser.

2. The second semester of the level-2 language course may count toward the minor, but the level-1 courses and the first semester of level 2 may not.

3. Only 3 credits are allowed from a student’s major department.

4. Students minoring in Latin American studies may count a total of 3 credits of another minor toward the Latin American studies minor.

5. No more than 9 credits may come from any single department.

6. No more than 3 credits of independent study may count toward the minor.

7. Students may transfer up to 6 credits toward the Latin American studies minor (3 credits of grammar/conversation, 3 credits in any other area).

Total, minor in Latin American studies 18

Medieval and Renaissance Studies

Dan Breen, Associate Professor and Coordinator

The Middle Ages and the Renaissance witnessed some of the most significant events in Western history: the fall of the Roman Empire; the establishment in Europe of the printing press; the evolution of a mercantile economy; and the Protestant Reformation. These and other social, cultural, and political developments combine to identify the medieval and Renaissance periods as fundamental to Western modernity. During this long expanse of time, European and Middle Eastern thinkers began to address crucial questions in ways that still shape our daily lives. How, for example, do we worship? How ought we to be governed? How (and whom) do we love? How (and what) should we read and write?

The medieval and Renaissance studies minor aims to provide students with the opportunity to expand their knowledge of these foundational historical periods and to
experience the rich diversity of thought that characterized medieval and early modern art, philosophy, and religion. By taking courses in at least three different departments, students will be challenged to think across disciplinary boundaries and to gain a broad understanding of the landscape of intellectual culture in Europe and the Mediterranean between late antiquity and the early 18th century. The medieval and Renaissance studies minor will be an excellent complement to majors in art history, English, history, French, German, Spanish, and philosophy and religion. It will encourage the kind of synthetic thinking that is especially important in the professional fields of education and law. Students considering graduate study in the fields traditionally associated with the humanities or the arts will also find the minor to be particularly helpful.

**Medieval and Renaissance Studies Minor**

Students who enroll in the medieval and Renaissance studies minor will complete 21 credits of work compiled by taking classes in a minimum of three different departments or programs. Each class will be selected based on the interests of the individual student, after consultation with his or her adviser. These selections will be made from a list of courses maintained and updated each semester by the medieval and Renaissance studies program coordinator. No more than 6 credits from a student’s major department, or 3 credits from any other minor, may be counted toward the medieval and Renaissance studies minor.

**Total, minor in medieval and Renaissance studies** 21

**Muslim Cultures**

**Jason Freitag, Associate Professor and Coordinator**

The Muslim cultures minor promotes a study of Muslims and Islam in order to facilitate a critical and constructive engagement with issues that affect Muslims and non-Muslims alike. The point of this engagement is to prepare students to face the challenges of living in a multireligious, multicultural world. Specifically, the minor’s goals are to encourage, allow, and facilitate

1. the College’s mission to encourage teaching and scholarship that are “informed by, and . . . contribute to, the world’s scientific and humanistic enterprises” (attention to the Muslim role in creating modern civilization advances this understanding);

2. opportunities for the College community “to share the responsibilities of citizenship and service in the global community” (global citizenship begins with knowledge, and the program provides access to the worlds of the more than one billion Muslims worldwide);

3. the development and strengthening of inter- and cross-disciplinary programming around issues of concern to Muslim cultures, both contemporary and historical.

**Muslim Cultures Minor**

The Muslim cultures minor is organized around three broad categories:

- Conceptual Frameworks
- History, Culture, Politics
- Comparative and International Study

Students take 18 credits from among the three categories, including two required courses in the conceptual frameworks category. A semester-by-semester list of courses that satisfy the requirements of the minor in the other categories is available by contacting the coordinator.

**Conceptual frameworks**

These courses encourage students to interrogate their own epistemological stance toward Islam and Muslims and provide them with the theoretical concepts and basic knowledge necessary for analyzing both.

- HIST 22700 Islamic Civilizations: Muhammad to the 19th Century 3
- POLT 33300 Understanding Islam 3

**Subtotal: 6**

**History, culture, politics**

**Select 6 credits**

Courses in this category examine Islam and Muslims through the lens of culture broadly conceived. Too often, the tendency is to deny Muslims any identity other than a religious one. The focus and intent of these courses will be to situate a more complete study of Muslim cultures in academic fields that students are familiar with, such as politics, history, art history, and literature.

**Comparative and international study**

**Select 6 credits**

Courses in this category place the study of Islam and Muslims in comparative perspective and/or in an international context. A comparative view allows students to understand the relationship between cultures, between the local and the global or the national and the international, and between the past and the present.

**Subtotal: 6**

**Total, minor in Muslim cultures** 18
Neuroscience

Jean Hardwick, Professor and Coordinator

Since its birth in the 1970s, neuroscience has become a vital interdisciplinary field of training in science. Advances in cell and molecular biology, biochemistry, biophysics, and psychology have all contributed to the creation of this new field of study. Neuroscientists work in many areas of the basic and clinical sciences.

The minor has both classroom and practicum components, which are divided into five major categories: (1) introduction: behavioral neuroscience and behavioral neuroscience laboratory; (2) specialty area: neurobiology; (3) electives: listed below; (4) practicum: listed below; and (5) capstone: seminar in neuroscience.

Neuroscience Minor

To complete the minor, students take the introductory course and lab, one specialty course, one elective course (3 or 4 credits), one practicum (3 credits), and the capstone course. Students must also take one additional course from either the elective (with a minimum of 3 credits) or practicum (with a minimum of 3 credits) categories. No more than 8 credits from courses required by name and number for a major can be applied toward requirements for the minor. Students must have their course of study approved by a minor adviser so that it can be tailored to their major and so that courses with variable credits will not become problematic.

Required courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 11900</td>
<td>Fundamentals of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 12100</td>
<td>Principles of Biology I, Cell and Molecular</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 12000</td>
<td>Fundamentals of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 12200</td>
<td>Principles of Biology II, Ecology and Evolution</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 31100</td>
<td>Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 31200</td>
<td>Behavioral Neuroscience Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 31500</td>
<td>Neurobiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 49250</td>
<td>Seminar in Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 49250</td>
<td>Seminar in Neuroscience</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 19

Restricted electives

Select 3 to 4 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 22700</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 27800</td>
<td>Environmental Health and Medicine</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 30800</td>
<td>Animal Behavior</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 34500</td>
<td>Developmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 35400</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 32000</td>
<td>Neuromuscular Control</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

Practicum

Select at least 3 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 30200</td>
<td>Research in Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 40000</td>
<td>Research in Biology</td>
<td>1 to 3</td>
</tr>
<tr>
<td>PSYC 30200-30299</td>
<td>First Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 30300-30399</td>
<td>Second Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 30400-30499</td>
<td>Third Semester Research Team</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 35200</td>
<td>Independent Supervised Research</td>
<td>1 to 5</td>
</tr>
<tr>
<td>PSYC 45200</td>
<td>Advanced Independent Supervised Research</td>
<td>1 to 5</td>
</tr>
<tr>
<td>EXSS 45000</td>
<td>Independent Study in Exercise and Sport Sciences</td>
<td>.5 to 3</td>
</tr>
<tr>
<td>EXSS 45100</td>
<td>Independent Study in Exercise and Sport Sciences</td>
<td>1 to 3</td>
</tr>
<tr>
<td>EXSS 47500</td>
<td>Research Team: Exercise and Sport Sciences</td>
<td>1 to 4</td>
</tr>
</tbody>
</table>

Subtotal: 25-26

Total, minor in neuroscience 25-26

Women’s Studies

Kimberly Baker, Assistant Professor and Coordinator

Women’s studies is an interdisciplinary program that provides the opportunity for feminist study, research, and community involvement. Gender is viewed as a historical, cultural, and social construct. Women's studies classes explore how complex social arrangements depend on assumptions about and definitions of gender, and how gender intersects with race, sexuality, class, and nation. Power, privilege and subordination, and identity are important themes. By moving women and gender to the center of analysis, women’s studies seeks to highlight the experiences and contributions of women.

Women’s Studies Minor

For the minor in women’s studies, students must take 18 credits. Each student must take WMST 10000 Introduction
to Women’s Studies. Students are also strongly advised to take WMST 41000 Selected Topics: Women’s Studies in the spring semester of the junior or senior year. The other 12 credits must be selected from the approved list of courses. At least 6 of the credits for the minor must be level 3 or above, and no more than three courses may be taken from any one of the four categories in the list of approved courses.

Note: No more than two courses in the student’s major may be counted toward the minor. Additional courses in which women’s lives, women’s history, or women’s issues are the primary subject may be counted toward the minor if approved by the coordinator of women’s studies. For an updated list of those courses, see the coordinator or visit the women’s studies website.

Requirements for the Minor in Women’s Studies
WMST 10000 Introduction to Women’s Studies 3

Five courses selected from the following list, with no more than three courses in any one of the four areas (social sciences, humanities/fine arts, professional schools, upper-level women’s studies). At least two courses must be level 3 or above.

Social science courses
POLT 14100 Power: Race, Sex, and Class 3
POLT 34300 Feminist Theory 3
POLT 40100 Seminar: Comparative and International Studies 1 to 4
POLT 40200 Seminar: Politics 1 to 4
POLT 40300 Tutorial: Comparative and International Studies 1 to 4
POLT 40400 Tutorial: Politics 1 to 4

SOCI 20200 Women in Britain 3
SOCI 21000 Women’s Lives 3
SOCI 31600 Women and Health 3
SOCI 32300 Family Violence 3
SOCI 32500 Race, Class, Gender and Sexuality 3
SOCI 41900 Seminar: Women in the Third World 3
ANTH 33500 Women and Culture 3

Note: POLT 40100, POLT 40200, POLT 40300, and POLT 40400 must focus on feminist issues or theory.

Humanities/fine arts courses
SPAN 47400 Topics in Latin American Literature 3
SPAN 49100 Seminar 3
ENGL 22000 Black Women Writers 3
ENGL 35000 Imagining Herself: Women’s Autobiography 3
WRTG 31000 Women and Writing 3
MUNM 25500 Women in Music 3
MUNM 25600 Women in Popular Music: From Bessie Smith to MTV 3

Professional schools
CNPH 30300 Images of Men and Women in Mass Media 3
WMST 42000 Independent Studies: Women’s Studies 1 to 4
WMST 43000 Internship: Women’s Studies 1 to 12

Total, minor in women’s studies 18

Craig Cummings, Interim Dean
David Pacun, Interim Associate Dean
Les Black, Associate Professor and Chair, Graduate Studies in Music
D. Kim Dunnick, Professor and co-Chair, Performance Studies
Keith Kaiser, Professor and Chair, Music Education (Mark Fonder, Professor and Interim Chair of Music Education)
Deborah Martin, Associate Professor and co-Chair, Performance Studies
Deborah Rifkin, Professor and Interim Chair, Music Theory, History, and Composition

For full faculty listing, see “Faculty and Administration.”

(p. 342) As the founding school of Ithaca College in 1892, the School of Music affirms its fundamental belief that music and the arts are essential components of the human experience. The School of Music contributes to the ongoing realization of this belief by preparing the music leaders of tomorrow — highly trained professional musicians educated through expert musical instruction coupled with outstanding performance experiences.
The School of Music

- provides an environment that fosters the highest level of musical expression through performing, teaching, and composing music;
- maintains an international role in the growth, development, and refinement of the art of music;
- upholds the values of attracting a diverse student body and faculty and of creating a comprehensive curriculum;
- equips students with professional skills and knowledge in music, along with a foundation in the liberal arts;
- supports a faculty of dedicated teachers and artists who are actively committed to their profession, the School of Music, and the community;
- provides an outlet for musical performance and study for non-music majors, helping these students gain both an individual experience in music and an awareness of the larger issues of the arts and their role in society; and
- provides a broad range of cultural experiences for the community through recitals, concerts, special lectures, symposia, and outreach programs by students, faculty, and guest artists.

The highest level of musicianship is fostered in all degree programs by developing and refining skills and knowledge in solo and ensemble performance, music theory, music history, and other supportive areas. Professional degrees in music education, performance, jazz studies, composition, sound recording technology, music theory, and music in combination with an outside field, as well as a liberal arts degree in music, prepare students for productive careers in teaching, performance, composition, recording, arts administration, and related areas of the music industry. As dedicated teachers, performers, composers, recording engineers, and arts administrators, Ithaca College graduates are national leaders in the arts.

An appreciation of the expressive qualities of music, the cultural enrichment provided by the world of music, and the personal reward of creating music give life and reason to the general study of music at Ithaca College.

General Information

Admission to the School of Music

Every School of Music applicant must audition on a major performing instrument or voice, except for composition applicants who must submit scores. Every applicant must also take a sight-singing test and submit the required supplemental music application materials. Composition and sound recording technology applicants are required to have an additional interview with the faculty. Applicants may audition on more than one instrument (including voice). Auditions are conducted by the faculty on the Ithaca campus and in several off-campus locations. Students are strongly encouraged to audition on campus. In special circumstances, applicants may audition by DVD or at a special time by making arrangements with the music admissions office. Percussion, sound recording technology, and composition applicants must audition on campus. For further information, contact the music admissions office.

External Transfers

Students who wish to transfer into the School of Music from another institution follow the same admission procedure as all new students. Students are placed at an academic level on their performing instrument or voice based on the amount of study at other institutions and the performance level demonstrated at their audition. Transfer credit for all non-music courses is evaluated at the time of acceptance to Ithaca College. Transfer credit for music courses cannot be granted until the student completes placement examinations in music theory, sight-singing, music history, and keyboard musicianship. Placement examinations are administered during the orientation periods before the beginning of classes. For further information, contact the music admissions office.

Internal Transfers

The School of Music accepts transfers from other schools at Ithaca College on the same basis as it accepts students from any secondary school or from other institutions of higher learning. All qualified students are encouraged to transfer into the program.

Students considering transfer to the School of Music or those who are considering a music minor should contact the director of music admissions for information regarding the required audition. However, coursework in the School of Music may be taken prior to the time of acceptance as a major or minor in music.

More detailed information may be obtained from the School of Music admissions office.

Students who are interested in transferring should take the following steps:

- Ask their adviser to send their file to the music admissions office. The file should be available before the audition takes place. The decision on acceptance as a music major is made by the dean of the School of Music based on review of the audition and the student’s academic record.
- If accepted, see the associate dean of the School of Music to confirm a program of study and to be assigned a music faculty adviser.
Academic Programs

For the music major — bachelor of music (B.M.), bachelor of arts (B.A.): The courses of study prescribed for these degrees afford music majors a wide range of choices, including various possibilities for teacher certification, to meet their particular professional and personal interests. These programs are set out under “Baccalaureate Degrees.” (p. 206)

For the non-music major: Musically talented students who are seeking a career in other fields may pursue their interest in music according to their ability through a music minor, liberal arts music emphasis, individual courses, ensembles, or lessons.

Learn more about Opportunities for Non-Majors

Music Minor

This program provides an organized sequence of study that nonmajors may begin at the start of their freshman year. Each applicant must audition on a principal instrument and pass a sight-singing test. A schedule of audition dates is available through the music admissions office or the College admissions office.

Learn more about Opportunities for Non-Majors

Degree Requirements

Program requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTH 10100</td>
<td>Fundamentals of Music Theory</td>
<td>1</td>
</tr>
<tr>
<td>MUTH 12100</td>
<td>Introduction to Musical Styles</td>
<td>2</td>
</tr>
<tr>
<td>MUTH 12200</td>
<td>Music Theory I</td>
<td>2</td>
</tr>
<tr>
<td>MUTH 13300</td>
<td>Sight-Singing I</td>
<td>1.5</td>
</tr>
<tr>
<td>MUTH 13400</td>
<td>Sight-Singing II</td>
<td>1.5</td>
</tr>
<tr>
<td>MUTH 25500</td>
<td>History and Literature of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUTH 25600</td>
<td>History and Literature of Music II</td>
<td>3</td>
</tr>
<tr>
<td>PFMJ xxx01</td>
<td>Private Instrument</td>
<td>4</td>
</tr>
<tr>
<td>MUEN xxxxx</td>
<td>Major Ensemble in consecutive semesters</td>
<td>4</td>
</tr>
</tbody>
</table>

Link to Ensemble Policies (p. 211)

MUTH 10100: Students who score 84 percent or higher on a placement exam for this course, administered by the Department of Music Theory, History, and Composition, fulfill this requirement but do not receive credit for the course.

PFMJ xxx01: One credit per semester; four consecutive semesters. Private studies are with either a full- or part-time faculty member, or with a graduate student, depending on space availability.

MUEN xxxxx: requires permission of performance teacher and ensemble conductor

Subtotal: 21-22

Total Credit Hours: 21-22

Individual Courses, Ensembles, Lessons

Qualified students, regardless of major, may participate in all music classes, ensembles, and lessons as space is available. An audition is required for private and class lessons. This audition is normally held prior to the opening of classes. Nonmajor students enrolling in private lessons for 1 credit have a weekly half-hour lesson. Contact the chair of performance studies for further information.

Performance Study Fees

Required lessons: All private lessons required for majors and minors are provided at no additional charge.

Elective lessons: All private lessons not required but elected by students carry an additional fee. See “Expenses, School of Music” (p. 304) in the “Student Info” (p. 299) section.

Satisfactory/D/Fail (S/D/F) Option for the Nonmajor

All music courses may be taken S/D/F by the nonmajor in accordance with the S/D/F policy, except

1. private lessons and ensembles
2. courses required for the music minor

Academic Information - Credit and Grade Information (p. 285)

Baccalaureate Degrees

The baccalaureate degrees awarded by the School of Music represent numerous individual programs of study designed to meet diverse professional and personal interests. Specific program requirements can be found in the curriculum outlines.

Bachelor of Music

Music education — This program allows the prospective music teacher an opportunity to achieve vocal and instrumental certification for birth through 12th grade (B-12) while developing performance and pedagogical skills.

Bachelor of Music in Music Education (p. 217)

Bachelor of Music in Music Education - requirements (p. 208)

Performance/music education (four-and-a-half-year program) — The performance standards of this program are the same as for the performance degree, with the additional requirements of the music education program. A special audition of a rigorous nature before a committee is
required of students desiring to be performance/music education majors. For entering freshmen, this may occur as their entrance audition to the School of Music. However, most students interested in the performance/music education degree wait until the end of their first or second semester for their audition. In the audition the student must exhibit the potential to fulfill, with distinction, the recital obligations of the program.

Bachelor of Music in Performance and Music Education (p. 225)

Bachelor of Music in Music Education - requirements (p. 208)

**Performance** — A special audition of a rigorous nature before a committee is required of students desiring to be performance majors. For entering freshmen, this may occur as their entrance audition to the School of Music. However, most students interested in the performance degree wait until the end of their first or second semester for their audition. In the audition the student must exhibit the potential to fulfill, with distinction, the recital obligations of the program.

Bachelor of Music in Performance (p. 234)

**Performance-collaborative emphasis** — The performance standards are the same as for the piano performance degree, with additional emphasis placed on collaborative performance. Students must meet every performance standard (including semianual juries, proficiency examinations, and two solo recitals) expected of piano performance majors. The degree is supplemented with intensive study of foreign languages, diction, chamber music, duo sonata and art song literature, and opera. This program focuses careful attention on the technical and musical skills of the young solo pianist, while providing a solid foundation for further study as a collaborative pianist.

Bachelor of Music in Performance-Collaborative Emphasis (p. 241)

**Sound recording technology** — This degree program combines rigorous study of music with courses in electroacoustic music, audio production, and music recording. In addition to passing a standard music audition, applicants for this program must have a personal interview with the faculty and staff who teach in the sound recording technology program, and submit a letter of recommendation that supports the applicant’s technical aptitude. Ideally, applicants should have completed advanced mathematics (e.g., trigonometry, calculus) and a physics course. Tape recordings illustrating the applicant’s recording expertise may be submitted but are not required.

Bachelor of Music in Sound Recording Technology (p. 243)

**Music theory** — Admission to the music theory degree program requires an oral examination with a committee from the music theory faculty. This examination usually takes place during the second semester of the sophomore year. Many students in this degree program initially major in performance or music education and then elect to add the music theory major, thus working toward a double degree. This is not to say that music theory majors must be double majors. Music theory majors must maintain a minimum B average in music theory courses required for the major and meet the jury requirements of the performance instrument area. Questions pertaining to the degree should be addressed to the chair of the department.

Bachelor of Music in Music Theory (p. 255)

**Composition** — Students wishing to major in composition must submit at least two representative scores of their compositions and, if possible, a recording of these works. In addition, prospective majors must have an interview with a member of the composition faculty, during which they may take the opportunity to demonstrate their keyboard skills.

All composition students study piano; however, all prospective composition majors are given the option to audition on another instrument or voice in order to be eligible for additional study with the faculty in this secondary area. A successful audition guarantees the student two full years of study in the secondary performance area. Additional study beyond the first four semesters is possible, depending on student performance, faculty studio availability, and a performance study fee for additional credits. (This secondary performance area audition is not a requirement for entrance into the composition program; it is simply provided for those students who are already advanced performers and who wish to continue serious and rigorous study on their instrument or voice.) Pianists may also avail themselves of this opportunity and would receive an additional year of piano performance study during their course of study.

Bachelor of Music in Composition (p. 260)

All undergraduate composition majors must take a piano proficiency examination by the end of their junior year. Graduate students must take the exam during the first year of study. The exam should be scheduled by the student with the composition faculty. The exam is pass/fail. A failure will require the student to retake the exam. The exam may be taken a maximum of three times. Failure to pass the exam will cause the student to be dropped from the composition program.

- Unprepared portion: Sight-read in a reasonable tempo and with consistent rhythm a Bach four-part chorale; accompany in any style a given melody; improvise, utilizing various piano textures, a convincing short composition of approximately two minutes’ duration; extract and perform the basic harmonic/chordal movement from a portion of a classic period orchestral score.
- Prepared portion: Perform any Bach two- or three-part invention; perform any Debussy prelude.
Music in combination with an outside field — This program allows students to combine the bachelor of music with a sequence of courses in another discipline. Bachelor of Music in Combination with an Outside Field (p. 248)

Jazz studies — This program provides the opportunity for students to major in jazz studies, although, with the exception of jazz guitar and electric bass majors, the private performance lessons are in the classical idiom. Jazz guitar majors may study the electric instrument in the jazz idiom for this degree but must audition on both the nylon-string classical guitar and the electric guitar. Electric bass applicants follow specific audition requirements. Bachelor of Music in Jazz Studies (p. 249)

Undeclared — This option provides the opportunity for incoming students to begin study in the School of Music while deciding on a specific degree program. Generally, undeclared students follow the music education curriculum for the individual’s specific instrument. Students must decide on a degree program by the fifth semester of study. It is not possible to graduate as an undeclared music major.

Bachelor of Arts

Music — This program provides the opportunity for students to major in music and to pursue substantive studies in the liberal arts. Bachelor of Arts in Music (p. 265)

Bachelor of Fine Arts

Musical theater — This is a performance-based professional program designed for the student who is interested in a career in musical theater. The program, a joint offering of the Department of Theatre Arts in the School of Humanities and Sciences and the School of Music, offers students the option of either a vocal or dance concentration within the context of an acting major. A combined theater/music audition is required of all students interested in this degree (cross-listed under the Department of Theatre Arts (p. 185), School of Humanities and Sciences).

Bachelor of Music in Music Education

By fulfilling academic requirements for the New York initial teaching certificate, this program allows the prospective music teacher an opportunity to achieve vocal and instrumental certification for birth through 12th grade (B-12) while developing performance and pedagogical skills.

The initial teaching certificate is valid for five years, during which time the master’s degree in music education or master’s degree in an approved related area must be attained in order to maintain teacher certification. In addition to the courses required for the undergraduate degree in music education, candidates must also attain a satisfactory level of performance on all New York State certification exams. A fingerprinting and background check of the student’s judicial record is also required. Information concerning test and fingerprinting sites, dates, and cost is available in the Department of Education in 194 Phillips Hall and the Office of Career Services.

During a student’s pursuit of the Music Education or Music Performance/Music Education Degree, there are several transition points that must be met in order to continue in the degree. If a standard is not met, depending on the severity of the deficit, the student may be immediately dismissed or be put on probation. Students on probation have clearly articulated goals that must be met by the end of the next semester. These goals must be met before the student is allowed to continue in the program. If the probation goals are not met within the specified time limit, the student is subject to dismissal. Listed below are the transition points. More information will appear in the Music Education Handbook, and this material will also be discussed in the Introduction to Music Education course. In addition, related information can be found in the Education Program (p. 146) section of the catalog.

1. Admission to Professional Education (at the end of MUED 20200 and prior to Junior Student Teaching)

2. Admission to Student Teaching (at the end of Junior Student Teaching and prior to Senior Student Teaching)

3. Completion of Student Teaching

4. Completion of Program

Senior Block Student Teaching

Senior Block Student Teaching: Vocal or Instrumental (MUED 46800 or MUED 46900) represents the culminating experience in the music education curriculum.

Prerequisites for Senior Block Student Teaching:

• A minimum cumulative GPA of 2.70
• Successful completion of music theory courses MUTH 10100, MUTH 12100, MUTH 12200, MUTH 22100, and MUTH 22200 (or the corresponding honors-level courses)
• Successful completion of sight-singing courses MUTH 13300, MUTH 13400, MUTH 23300, and MUTH 23400 (or the corresponding honors-level courses)
• A minimum cumulative average of C+ in major performance area
• Successful completion of MUED 10100, MUED 10200, MUED 20100, and MUED 20200 with a minimum cumulative average of C+
• Successful completion of Music Education for Children (MUED 26700) with a minimum grade of C+
• Successful completion of Choral Conducting (MUED 30100 and MUED 30200) or Instrumental Conducting (MUED 30300 and MUED 30400) with a minimum cumulative average of C+.
• Successful completion of Student Teaching and Rehearsal Lab: Vocal-Choral (MUED 36900 and MUED 38000), Student Teaching and Rehearsal Lab: Instrumental-Band (MUED 37100 and MUED 38100), or Student Teaching and Rehearsal Lab: Instrumental-Orchestra (MUED 37100 and MUED 38200) with a minimum cumulative average of C+.
• Successful completion of Contemporary Ensembles in the Public Schools: Vocal-Choral (MUED 28000), Contemporary Ensembles in the Public Schools: Instrumental-Band (MUED 28100), or Contemporary Ensembles in the Public Schools: Instrumental-Orchestra (MUED 28200) with a minimum grade of C+.
• Successful completion of core subjects in either the vocal or instrumental emphasis:
  A. Vocal Emphasis
  • Classroom Instruments (MUED 24600) with a minimum grade of C+
  • General and Choral Music in the Secondary School (MUED 36800) with a minimum grade of C+
  • Keyboard Musicianship (PFSM 17100, PFSM 17200, PFSM 27300, and PFSM 27400) with a minimum cumulative average grade of C+.
  B. Instrumental Emphasis
  • Secondary instruments through the junior year with a minimum cumulative average of C+
  • Teaching Instrumental Music (MUED 36200) with a minimum grade of C+
  • String Pedagogy (MUED 34700), for string majors only, or Wind Pedagogy (MUED 37500), for wind and percussion majors only, with a minimum grade of C+
  • Successful completion of proficiency examinations in the vocal or instrumental emphasis. These exams are normally completed during block I of the spring semester of the junior year, and all proficiencies and secondary instrument classes within the designated track must be completed by the end of block I of the spring semester before the block of senior student teaching. For proficiency requirements, see the Handbook for Senior Student Teaching in Music Education.

Students who fail to achieve the academic criteria listed must meet with the department chair to arrange the necessary remedial coursework.

General Information regarding Senior Block Student Teaching:

In order to fulfill New York State Education Department (NYSED) policies and foster a true commitment to senior student teaching, music education senior student teachers may not participate in official Ithaca College activities related to varsity sports and registered credit-bearing coursework, including zero-credit participation or auditing. This coursework includes, but is not limited to, classes, lessons, rehearsals, and performances. In addition, music education senior student teachers are strongly encouraged to consider the impact that additional non-student teaching activities and obligations (including, but not limited to, lessons, performing, rehearsing, employment, and other commitments) may have on completing a successful student teaching experience. Participating in non-student teaching activities may affect a student teacher’s ability to complete senior teaching successfully and may affect the related grade negatively or result in removal from senior student teaching. Recognizing the importance of outstanding musicianship to effective music teaching, student teachers are encouraged to continue practicing and making music during their student teaching — this is the essence of being a high-quality teacher-practitioner (music educator-musician). However, all senior student teachers are expected to consider the above-stated policy and make the student teaching experience their primary focus. (This written policy underscores the commitment expected of every Ithaca College music education student teacher; in addition, it emphasizes the responsibility that student teachers and Ithaca College have to ensure quality music education for the host site’s students.)

Other than absences related to illness, which require immediate contacting of the cooperating teacher, or absences related to serious illness or accidents, which additionally require immediate contacting of the supervisor or chair of music education, all absences must be approved in advance by the chair of music education.

The senior student teaching program is based on the belief that certain competencies fundamental to successful teaching can best be fostered in the environment in which the teaching will generally occur. Therefore, the senior student teaching program is a cooperative effort on the part of this institution and cooperating secondary schools. An
application requesting a student teaching assignment must be submitted by the student by February 15 of the academic year immediately preceding the student teaching assignment. Students are required to preregister for MUED 46800 Senior Block Teaching: Vocal or MUED 46900 Senior Block Teaching: Instrumental during the semester immediately preceding the student teaching assignment. Student teaching is to be completed during the fall (block I or II) or in the spring (block II). Vacation periods coincide with the calendar of the cooperating school district during the assignment. Students are not assigned to teach in a public school they attended as students.

Students are encouraged to live in the community or the school district where they are assigned to teach. Although the student is not charged for meals during the student teaching assignment period, a charge is assessed for on-campus housing commitments that students have made. Transportation and arrangements for housing in the assigned community are the responsibility of the student teacher. Help in making housing arrangements can be sought through the cooperating teacher, the principal’s or superintendent’s offices, local real estate agencies, or former student teachers. Commuting any great distance may be dangerous or time-consuming and could lead to an inadequate teaching experience. Most cooperating teachers are involved in some evening and weekend teaching duties, and the student teacher is expected to participate in all of these duties. Married students, if they desire, may be placed in schools close to Ithaca as a convenience to their families.

**Piano, Organ, and Guitar Majors in Music Education**

Piano, organ, and guitar majors in music education must declare, no later than during the sophomore year, whether they plan their teaching experience to be in the vocal or instrumental area.

Piano, organ, and guitar students normally receive instruction and experience in the vocal emphasis area. Piano, organ, and guitar majors who want to have a teaching experience in the instrumental area may elect the instrumental emphasis. They must have performance capability on a wind, string, or percussion instrument equal to “outstanding level” on grade IV literature listed in the New York State School Music Association (NYSSMA) manual. This is determined by an audition with a member of the instrumental music education department and the appropriate performance faculty member. The audition determines the amount of study necessary on that instrument. The program makes provision for four semesters of secondary instrument private lessons. Deficiencies may demand further study in private lessons, subject to the elective applied music fee. Membership is required in a major instrumental performing group (on the secondary instrument) each semester and in choral ensemble for two semesters. The student must follow the curriculum of music education-instrumental.

Pianists, guitarists, and organists who elect the instrumental emphasis will, in these programs, enroll for 2 credits of private instruction on the major instrument — piano, guitar, or organ. They have a weekly half-hour lesson, attend weekly repertoire class, and perform a jury at the end of the semester. Students may also audition for the four-and-a-half-year degree program. If accepted, the students have a weekly one-hour lesson, attend weekly repertoire class, and perform a jury at the end of the semester. Students in these programs must enroll for 1 credit of private instruction on the secondary instrument; they have a weekly half-hour lesson.

The credits earned in private lessons on the secondary instrument may be counted as music electives.

Credits earned in private lessons on the secondary instrument beyond the four semesters provided for in the program are subject to a private lesson fee in accordance with the schedule shown under “Expenses”; (p. 304) they may be counted as music electives.

**Senior Student Teaching**

Complete information concerning prerequisite coursework, proficiency exams, assignments, procedures and policies, and other information can be found in the Handbook for Senior Student Teaching in Music Education.

**Academic Courses of Study**

The freshman-year curricula are practically identical for all degrees within the school, giving students one academic year in which to make a final decision regarding their programs. From the time a specific program is approved for a student, that student must adhere to his or her selected program and to the total number of credits listed for that program. Changes in program and courses, or in major and secondary instrument or voice, require the approval of the adviser, department chair, and associate dean.

**Performance Study**

All private lesson study required in the student’s program is included in the basic tuition charge, subject to the conditions under “Explanation of Charges.” Elective private lessons, whether for music majors or nonmajors, are subject to a private lesson fee in accordance with the schedule shown under “Expenses.” (p. 304) Normally, elective private lessons are taught by graduate students. All private lesson registration and preregistration are through the music office only.

Performance courses are of two general classifications: private instruction for voice and instrument and course instruction for minor (secondary) instrument study. A course section usually consists of eight students. Those majoring in the performance or performance/music education (four-and-a-half-year) program take a one-hour
private lesson each week (for 4 credits); all others take a half-hour private lesson each week (for 2 credits). All music students attend one repertory class each week conducted by the major performance teacher.

**Attendance at Performances**

All full-time students in the School of Music are required to attend 10 ensemble, faculty, or guest artist recitals or master classes each semester. In addition, they are required to attend 5 student recitals. The associate dean will determine how this policy applies to transfer students. All other students must meet the requirement for six semesters. Additional attendance requirements are at the option of the major teacher.

**Performance Requirements**

All students enrolled in the B.M. in performance and B.M. in performance/music education (four-and-a-half-year) programs must successfully perform two solo recitals as part of their degree requirements. Other students may elect to perform in a graded recital with the permission of their major teacher. The required recitals are graded by three faculty members from the School of Music. Normally, the major teacher and two faculty members from the student’s division constitute the grading committee. Elective recitals are normally graded by only the major teacher.

The final grade for these recitals is determined by averaging the grades assigned by the members of the grading committee, according to the following system:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>11</td>
</tr>
<tr>
<td>A-</td>
<td>10</td>
</tr>
<tr>
<td>B+</td>
<td>9</td>
</tr>
<tr>
<td>B</td>
<td>8</td>
</tr>
<tr>
<td>B-</td>
<td>7</td>
</tr>
<tr>
<td>C</td>
<td>5</td>
</tr>
<tr>
<td>C-</td>
<td>4</td>
</tr>
<tr>
<td>D+</td>
<td>3</td>
</tr>
<tr>
<td>D</td>
<td>2</td>
</tr>
<tr>
<td>D-</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
</tbody>
</table>

All undergraduate music majors must perform a jury at the end of each semester. Students who perform a graded recital and students who are off-campus because of student teaching may be exempted at the discretion of their major teacher. Nonmajor students enrolled for 2 credits of private study must also perform a jury at the end of the semester. Juries are graded on a pass/fail basis. If a student receives a grade of F from the majority of the faculty hearing a jury, the major teacher must issue a grade for the semester no higher than D. The grade of I, “incomplete,” must not be used in these cases. The incomplete grade is to be used only if a student is unable to perform a jury because of illness or providential intervention. The chair of performance studies must also be informed of the jury failure. The chair will then request that a letter of warning be sent by the associate dean to the student (see “Academic Status (p. 214)”).

To be removed from warning, the student must pass the jury in the following semester and receive a semester grade of C- or higher. Every music student is required to meet specified minimum requirements in piano, relative to his or her curriculum. Students having voice or piano as the major instrument, regardless of their curricula, take keyboard musicianship, which includes accompanying, transposition, and literature.

**Ensemble Policies**

**Major Ensembles**

Certain ensembles are designated major ensembles. All full-time music students are required to participate in a major ensemble each semester until the ensemble degree requirements are fulfilled.

A student may participate in additional ensembles, up to a total of 10 ensemble participation hours per week. Exceptions beyond 10 hours can be made in very unusual circumstances by the associate dean in consultation with the performance teacher and conductor.

If additional ensembles are taken, they can be taken for 0, 0.5, or 1 credit. Students should normally enroll in ensembles for credit, unless the total credit enrollment exceeds 18 credits. Ensemble and chamber music credits over and above the required ensembles may be applied toward music elective requirements according to the following formula: for every 3 credits of music electives required in each degree program, 1 credit of ensemble or chamber music may be counted toward elective requirements, with a minimum of 1 credit and a maximum of 4.

Ensemble transfer credits may not be used to exempt a student from ensemble participation.

All music education students must participate in a major ensemble during the on-campus portion of the student teaching (“block”) semester.

The organizations designated below as major ensembles carry 1 credit for all students except where required as a second ensemble. The organizations designated as minor ensembles carry 1 credit when required as a major ensemble in the student’s degree program.

**Major Ensembles**

<table>
<thead>
<tr>
<th>Choir</th>
<th>Accompanying Master Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chorus</td>
<td>Chamber Orchestra</td>
</tr>
</tbody>
</table>
Concert Band  Guitar Ensemble  
Symphony Orchestra  Piano Ensemble  
Symphonic Band  Pianist as Collaborator  
Women’s Chorale  Jazz Workshop  
Wind Ensemble  Vocal Jazz Ensemble  

The following fulfill the major ensemble requirements for the performance majors listed:

Voice major — Choir, Chorus, or Women’s Chorale

Keyboard major — Choir, Chorus, Women’s Chorale, Pianist as Collaborator, Accompanying Master Class, Guitar Ensemble, Piano Ensemble, Piano/Instrumental Duo, or Piano/Vocal Duo

Guitar major: Music education, performance, and music education/performance — Choral ensemble (Choir, Chorus, or Women’s Chorale) and/or Guitar Ensemble (as specified in the curriculum outlines)

All other guitar major degrees — Choral ensemble (Choir, Chorus, or Women’s Chorale) or other major ensemble by audition, including Guitar Ensemble

String major — Symphony Orchestra

Wind and percussion majors — Wind Ensemble, Concert Band, Symphonic Band, or Orchestra

Jazz studies major — Jazz Laboratory or Vocal Jazz Ensemble (as specified in the “Bachelor of Music in Jazz Studies” curriculum outline) (http://www.ithaca.edu/catalogs/ug1112/music/bachelor_of_music_in_jazz_studies/)

Composition Major — Eight semesters of major ensemble (with two being choral in consecutive fall-spring semesters) with approval of the composition coordinator. Up to 2 credits can be fulfilled with minor ensemble that focuses on the student’s particular music composition interests.

Minor Ensembles

The following organizations are designated minor ensembles and carry 0.5 credit for music majors and 1 credit for all other students:

• Brass Choir
• Chamber Orchestra
• Madrigal Singers
• Percussion Ensemble

The ensembles listed below carry 0.5 credit for music majors when used as an elective ensemble. As with other minor ensembles, they carry 1 credit for non-music majors:

• Accompanying Master Class
• Campus Band
• Contemporary Chamber Ensemble
• Guitar Ensemble
• Jazz Workshop
• Pianist as Collaborator
• Piano Ensemble
• Piano/Instrumental Duo
• Piano/Vocal Duo
• Vocal Jazz Ensemble

Music majors should see the statement above (under “Major Ensembles”) covering total weekly ensemble participation hours allowed.

Opera/Musical Orchestra

Opera/musical orchestras are ensembles that perform in the major productions of one opera and one musical per year. Students participating in these ensembles may earn music elective credit. See the course description under MUMC 14000 Music Theater Rehearsal and Performance.

Course Exemptions

Students may be exempted from courses in the School of Music through examination by the departments concerned. Resulting credit deficiencies may be made up in any area in music upon consent of the student’s adviser and the associate dean.

Music Electives

Ensemble and chamber music credits over and above the required ensembles may be applied toward music elective requirements according to the following formula: for every 3 credits of music electives required in each degree program, 1 credit of ensemble or chamber music may be counted toward elective requirements, with a minimum of 1 and a maximum of 4 credits. Performance studies in an instrument/voice other than the major and elective recital credits may apply toward music electives. Performance study in the major performance area taken in addition to the degree requirements may also apply toward music electives.

Music Concentrations

Concentrations are available to music majors in the areas of music theory and jazz studies. A concentration is a structured plan of elective courses within a student’s major discipline that comprises a minimum of five courses for at least 15 credits. Courses taken to fulfill the concentration may count toward music elective requirements.

Admission to a concentration requires written acceptance by the chair of the department that offers the concentration.
Specific admission requirements for individual areas are noted below.

**Jazz Studies**
Students must have sophomore standing and audition/interview with the Director of Jazz Studies before applying for this concentration.

**Jazz Studies concentration requirements**

**Core: 5 credits**

- **JAZZ 20000** Jazz Theory and Aural Training I 1 credit
- **JAZZ 20100** Jazz Theory and Aural Training II 1 credit

Course below may be repeated one time for a total of 1 credit

- **JAZZ 19900** Jazz Repertoire and Pedagogy 0.5 credit

Choose from courses below for a total of 2 credits. Courses may be repeated.

- **MUEN 11900** Jazz Laboratory 0-0.5 credits
- **MUEN 12500** Vocal Jazz Ensemble 0-0.5 credits
- **MUEN 32100** Chamber Music (Jazz combos) 0-0.5 credits

**Elective: 10 credits**

- **JAZZ 16100** Survey of Jazz History 2 credits
- **JAZZ 16600** Jazz Piano I 1 credit
- **JAZZ 16700** Jazz Piano II 1 credit
- **JAZZ 17001** Private Performance Study 1 credit
- **JAZZ 19900** Jazz Repertoire and Pedagogy 0.5 credits
- **JAZZ 21000** Jazz Standards and Literature I 2 credits
- **JAZZ 31000** Jazz Standards and Literature II 2 credits
- **JAZZ 32300** Jazz Arranging I 2 credits
- **JAZZ 32500** Jazz Arranging II 2 credits
- **MUEN 12900** Improvisation Ensemble 0-1 credits
- **MUEN 12500** Vocal Jazz Ensemble 0-0.5 credits
- **MUEN 32100** Chamber Music (Jazz combos) 0-0.5 credits

*Only available with approval of the student’s private teacher, the Director of Jazz Studies, and the Dean’s Office. May be repeated once.

**Theory**
Students must have completed Music Theory II (MUTH 22100 or 22101) and Advanced Sight-Singing III (MUTH 23300 or 23301) before applying for this concentration.

**Music Theory concentration requirements**

**Core: 5 credits**

- **MUTH 42100** Topics in Music Theory and Analysis 2 credits
- **MUTH 44300** Pedagogy of Music Theory 3 credits

**Elective: 10 credits**

- **MUTH 36000** Figured Bass and Score Reading 1 credit
- **MUTH 43100** Sixteenth-Century Counterpoint 2 credits
- **MUTH 43200** Eighteenth-Century Counterpoint 2 credits
- **MUTH 43500** Choral Arranging 2 credits
- **MUTH 43700** Orchestration 2 credits
- **JAZZ 20000** Jazz Theory and Aural Training I 1 credit
- **JAZZ 20100** Jazz Theory and Aural Training II 1 credit
- **MUTH 42900** Advanced Aural Skills 1 credit
- **MUTH 46400** Introduction to Composition 2 credits
- **MUMC 14500** Introduction to Electroacoustic Music 2 credits

**Pass/Fail or Satisfactory/D/Fail (S/D/F)**
With the exception of MUMC 10100 Recital Attendance, MUMC 14100 Recording Workshop, and PFMJ 19900 Performance Repertoire and Pedagogy, music courses may not be taken on a pass/fail or S/D/F basis by music majors or minors.

**Fundamentals of Music Theory, Sight-Singing, Keyboard Musicianship, and Recital Grades**
Students must repeat MUTH 10100 Fundamentals of Music Theory until they receive a grade of B or higher or until they achieve a score of 84 percent or higher on the fundamentals placement examination.

Students must repeat keyboard musicianship or sight-singing courses in which they receive a grade lower than C-.
A grade of C- is the lowest acceptable grade for successful completion of a required undergraduate recital. In the event that a student receives a grade of D (+ or -), the grade will stand and be computed into the GPA, but the student must take the course again. A completely different program must be performed when repeating the course.

Physical Activity, Leisure, and Safety (PALS)
Physical activity, leisure, and safety (PALS) courses may be taken as free, general, non-liberal arts electives. A maximum of 6 credits is permitted.

PALS courses
(p. 510)

Liberal Arts
All students in music must, by mandate of the New York State Education Department, take a certain number of liberal arts courses to complete their degree program. These courses must be taken outside the School of Music.

Distribution Requirements
The school stipulates that these liberal arts credits must fill certain distribution requirements as indicated in the requirements of each degree program. To satisfy these distribution requirements, students should select their courses from the following categories. Please note that not all courses within each listed discipline are liberal arts courses. Those that are not liberal arts courses are marked “NLA” in the course descriptions in this catalog and in the Undergraduate Course Offerings published each semester. Courses marked NLA do not fulfill the liberal arts requirement for the School of Music.

Humanities (HU)
• Art history
• English
• Modern languages
• History
• Philosophy
• Religious studies
• Communication studies (with HU designation)

Social and Behavioral Sciences (SS)
• Anthropology
• Economics
• Politics
• Psychology
• Sociology
• Communication studies (with SS designation)

Natural Sciences and Mathematics (NS)*
• Biology
• Chemistry
• Health (with NS designation)
• Mathematics
• Physics

* Music education and performance/music education majors must take one course in biology, chemistry, physics, or health sciences, and one course in mathematics.

Fine Arts (FA)
• Cinema
• Dance
• Drama
• Drawing
• Graphics
• Painting
• Sculpture
• Photography

Academic Status
Ithaca College academic standards require that students in the School of Music pass 24 credits in any consecutive 12-month period and maintain a minimum cumulative GPA of 2.00.

In order to assure that students satisfactorily progress toward degree completion over a four-year or four-and-a-half-year period, detailed schematic outlines have been prepared for each degree. Students should follow these outlines closely as they register for classes. All degree programs in music include a number of courses that are sequential in nature and that develop skills in particular areas over several semesters of study. These courses include private performance study, music theory, sight-singing, and keyboard musicianship. For these core areas, which provide the foundation for a music major’s study, the following specific registration requirements must be adhered to each semester:

1. Students must enroll in the appropriate performance study until the requirements are completed.
2. Students must enroll in the appropriate music theory, sight-singing, and keyboard musicianship courses until the sequence is completed.
3. Unless on part-time status, students must enroll in the appropriate major ensemble until the sequence is completed.
Exceptions to these registration requirements may occur under unusual circumstances. Permission for exceptions must be requested on the School of Music petition to request exceptions to School of Music policies form and reviewed by the instructor of record (when appropriate), the academic adviser, the appropriate department chair, and the associate dean. Students who withdraw from any course listed above must enroll in that course during the following semester. Failure to enroll in and successfully complete the course during the next semester in which it is offered will place the student on academic warning. Deficiencies in any area of preparation may necessitate remedial courses and may delay graduation.

Students who fail to meet College or school standards are subject to immediate suspension or to suspension after a warning period. Each case is reviewed on an individual basis by the dean and associate dean of the School of Music. If the review indicates that a warning before suspension is appropriate, the procedure below is followed. Students should be aware that the offer of a warning period is a privilege, based on individual review, not a right.

**Warning, Suspension, Readmission**

**Academic Warning**

A letter of warning notifies the student that the school’s academic requirements have not been met. Continued deficiencies may lead to suspension or dismissal from the School of Music. The following are deficiencies that lead to academic warning:

1. Failure to maintain the general Ithaca College academic requirements of passing 24 credits in any consecutive 12-month period, unless approved for part-time status, and to maintain a minimum 2.00 cumulative GPA
2. A grade below C- in private-lesson study
3. Two successive failures in a music course required in the student’s program (or two successive grades below C- in either keyboard musicianship or sight-singing), or withdrawal from a required music course previously failed, or failure to enroll in the subsequent offering of a required music course previously failed
4. Failure to enroll in and successfully complete music theory, sight-singing, or keyboard musicianship class over two consecutive semesters

During the semester that academic warning is in effect, the student must fulfill specific requirements listed in the letter of warning or face suspension or dismissal from the School of Music.

**Continuation of Warning**

A second or subsequent letter of warning notifies the student of continuing deficiency in some areas listed under warning. Generally, this letter is sent to students who have demonstrated some improvement over the previous semester but have not yet attained the minimum levels required to be removed from formal warning.

During the semester that academic warning is in effect, the student must fulfill specific requirements listed in the letter of warning or face suspension or dismissal from the School of Music. Students may be suspended if this level is not attained; in some cases they may be continued on warning for one more semester.

**Final Warning**

A letter of final warning notifies the student that only one semester remains to improve his or her academic standing. During the semester that a final academic warning is in effect, the student must fulfill the specific requirements listed in the letter of warning or face suspension or dismissal from the School of Music. These are absolute requirements.

**Academic Suspension**

A student being suspended from the School of Music and Ithaca College is informed with a formal letter of suspension. The length of the suspension is specified, and students are informed that they are not eligible to attend courses at the College until the semester specified by the notification letter.

In the formal letter, procedures for applying for return to the College are explained, and the general expectations of performance upon resumption of studies are indicated. As a general rule, students are expected to complete 12 letter-grade credit hours with a semester GPA of 2.30 or better, with no grades of I, W, or F, and no more than one grade below C. Other conditions may be specified in the formal notification.

**Return to College Following Academic Suspension**

Readmission to the School of Music following suspension is unusual. However, it may be possible and is contingent upon evidence of a satisfactory record of achievement at another accredited institution of advanced musical training.

**Academic Dismissal**

Students who meet College academic standards but not those of the School of Music may be dismissed from the School of Music. In such instances, students are suspended from the College for at least one semester. Continued study following the suspension is contingent on the student’s being accepted into another school at the College.

In special cases, students with generally creditable records may be dismissed from a particular degree program for failure to meet requirements in that specific program. Such students are eligible to change their major to another program or school, provided they are accepted by the new department and, if applicable, school. Such program dismissals are usually made effective at the end of the
following semester to allow the student time to decide upon, and be admitted to, a new major.

Dean’s List
At the end of each semester, students who satisfy each of the following criteria are named to the dean’s list in the School of Music:
1. A minimum semester average of 3.70 (freshmen, 3.50)
2. Completion of at least 15 letter-grade credit hours (except student-teaching seniors, who must have at least 12 credits)
3. No final grades of D, F, or I

Honors Courses
Students who excel in music theory and sight-singing may be selected to enroll in honors sections of these courses. A student may be recommended for honors if his or her work is A-level and if mature study and practice habits are evident.

Degree Requirements
The following are courses with honors sections

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTH 12201</td>
<td>Music Theory I -- Honors</td>
<td>2</td>
</tr>
<tr>
<td>MUTH 13301</td>
<td>Sight-Singing I -- Honors</td>
<td>1.5</td>
</tr>
<tr>
<td>MUTH 13401</td>
<td>Sight-Singing II -- Honors</td>
<td>1.5</td>
</tr>
<tr>
<td>MUTH 22101</td>
<td>Music Theory II -- Honors</td>
<td>2</td>
</tr>
<tr>
<td>MUTH 22201</td>
<td>Music Theory III -- Honors</td>
<td>2</td>
</tr>
<tr>
<td>MUTH 23301</td>
<td>Advanced Sight-Singing III - Honors</td>
<td>1</td>
</tr>
<tr>
<td>MUTH 23401</td>
<td>Advanced Sight-Singing IV - Honors</td>
<td>1</td>
</tr>
<tr>
<td>MUTH 32101</td>
<td>Form and Analysis -- Honors</td>
<td>2</td>
</tr>
<tr>
<td>MUTH 32201</td>
<td>Analysis of Music since 1900 - Honors</td>
<td>2</td>
</tr>
</tbody>
</table>

Course Prefixes and Numbering System

Course Prefixes
JAZZ  Jazz studies
MUED  Music education
MUEN  Ensembles
MUMC  Additional music courses
MUNM  Courses for the non-music major
MUTH  Music theory, sight-singing, and composition; music history and literature
PFMJ  Performance — major instrument
PFNM  Performance — nonmajor
PFSM  Performance — secondary instrument

Numbering System
The first three digits after the prefix designate the specific course. The first of these digits represents the year (one through four) during which a student normally takes this course. Ensembles may be repeated for credit. The third digit is odd or even depending on whether the course is normally offered during the first or second semester, respectively.

Level-5 courses
Courses at level 5 are graduate courses for which qualified seniors may enroll under certain circumstances. Seniors may take level-5 courses for either graduate or undergraduate credit provided they
1. have completed 90 or more hours in an undergraduate degree program;
2. have a cumulative GPA of 3.00 or higher; and
3. secure the approval of the instructor, undergraduate adviser, graduate chair, dean of the school, and dean of graduate studies.

Such courses taken for graduate credit cannot be applied toward an undergraduate degree; those taken for undergraduate credit cannot be applied toward a master’s degree.

Performance Studies
Performance studies are considered as non-liberal arts (NLA) courses for music majors because of the emphasis placed on performance. Performance studies are considered as liberal arts (LA) courses for non-music majors because of the emphasis placed on fine arts in the context of a liberal arts education.

Upon acceptance into the program, performance and performance/music education (four-and-a-half-year) majors take a one-hour private lesson each week for 4 credits per semester. All other music majors take a half-hour private lesson each week for 2 credits. Additionally, each semester, all music majors take the 0.5-credit course PFMJ 19900 Performance Repertoire and Pedagogy. Music minors take a half-hour private lesson each week for 2 credits. Music majors who have an additional requirement of private lessons on a secondary instrument (e.g., voice students who take private piano lessons) take a half-hour lesson each week for 1 credit. Music minors and music majors in secondary lessons do not take the PFMJ 19900 Performance Repertoire and Pedagogy class for that instrument.

The following table shows performance studies (principal) levels and credits to be taken within degree programs of the School of Music.

<table>
<thead>
<tr>
<th>Program</th>
<th>Levels of Performance</th>
<th>Credits</th>
</tr>
</thead>
</table>

Credits of Performance Study per Semester
<table>
<thead>
<tr>
<th>Study</th>
<th>I-IV (two semesters at each level)</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Study</td>
<td>I-IV (two semesters at each level)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>(1 credit during semester of senior student teaching)</td>
<td></td>
</tr>
<tr>
<td>Music education/performance</td>
<td>I-IV (two semesters at each level); V (one semester)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(2 credits during semester of senior student teaching)</td>
<td></td>
</tr>
<tr>
<td>Performance</td>
<td>I-IV (two semesters at each level)</td>
<td>4</td>
</tr>
<tr>
<td>Performance — collaborative emphasis</td>
<td>I-IV (two semesters at each level)</td>
<td>4</td>
</tr>
<tr>
<td>Sound recording technology</td>
<td>I-IV (two semesters at each level)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>(1 credit during semester of internship)</td>
<td></td>
</tr>
<tr>
<td>Combination with outside field</td>
<td>I-IV (two semesters at each level)</td>
<td>2</td>
</tr>
<tr>
<td>Jazz studies</td>
<td>I-IV (two semesters at each level)</td>
<td>2</td>
</tr>
<tr>
<td>Music theory</td>
<td>I-IV (two semesters at each level)</td>
<td>2</td>
</tr>
<tr>
<td>Composition</td>
<td>(no performance studies — major required)</td>
<td></td>
</tr>
<tr>
<td>Bachelor of arts in music</td>
<td>I-III (two semesters at each level)</td>
<td>2</td>
</tr>
<tr>
<td>Minor in music</td>
<td>I-II (two semesters at each level)</td>
<td>1</td>
</tr>
</tbody>
</table>

| Bachelor of Arts in Music                 |                                  |   |
| B.F.A. — musical theater*                |                                  |   |
| I-IV (two semesters at each level)       |                                  |   |
| (1 credit during first semester of freshman year) |   |

- * Degree program administered by the School of Humanities and Sciences

**Curriculum Outlines**

See the following programs for the specific requirements for each degree program in the School of Music:

**Programs**

- Bachelor of music in music education (p. 217)
- Secondary instrument study plan (four-year) (p. 269)
- Bachelor of music in performance and music education (p. 225)
- Secondary instrument study plan (four-and-a-half-year) (p. 274)
- Bachelor of music in performance (p. 234)
- Bachelor of music in performance–collaborative emphasis (p. 241)
- Bachelor of music in sound recording technology (p. 243)
- Bachelor of music in combination with an outside field (p. 248)
- Bachelor of music in jazz studies (p. 249)
- Bachelor of music in music theory (p. 255)
- Bachelor of music in composition (p. 260)
- Bachelor of arts in music (p. 265)

**Bachelor of Music in Music Education**

**Liberal Arts**

The 27 credits of liberal arts listed in this group must be taken outside the School of Music. For more information, see “Academic Courses of Study.” (p. 210)

<table>
<thead>
<tr>
<th>Vocals</th>
<th>Keyboards</th>
<th>Guitar</th>
<th>Winds</th>
<th>Percussion</th>
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</table>
Mathematics (not computer science) 3 3 3 3 3 3
Modern language (Spanish, French, German, Italian)* 3 3 3 3 3 3
Educational Psychology PSYC 21010 3 3 3 3 3 3
Educating Students with Special Needs in Diverse Classrooms EDUC 23900 3 3 3 3 3 3
Liberal arts electives* 3 3 3 3 3 3
Total 27 27 27 27 27 27

Other Liberal Arts Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Vocal</th>
<th>Keyb.</th>
<th>Guitar</th>
<th>Wind</th>
<th>Perc.</th>
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<tbody>
<tr>
<td>Social and Cultural Foundations of Education EDUC 34000</td>
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<tr>
<td>History and Literature of Music I-III MUTH 25500, 25600, 35500</td>
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Music Requirements

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<tr>
<th>Course</th>
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<th>Guitar</th>
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<th>Perc.</th>
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<tr>
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<td>Instrumental</td>
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<td>Choral</td>
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<td>Pianist as Collaborator</td>
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<td>Fundamentals of Music Theory MUTH 10100**</td>
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<td>Introduction to Musical Styles MUTH 12100</td>
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<td>Music Theory II-III MUTH 22100-MUTH 22200</td>
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<td>Analysis of Music Since 1900 MUTH 32200</td>
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<td>Sight-singing</td>
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<td>Sight-Singing I-II MUTH 13300-MUTH 13400</td>
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Advanced Sight-Singing III-IV MUTH 23300-MUTH 23400

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<tr>
<th>Music electives**</th>
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<th>3-4</th>
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<td>Recital Attendance MUMC 10100</td>
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<td>54.5</td>
<td>51.5</td>
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</table>

**Music Education Requirements**

<table>
<thead>
<tr>
<th></th>
<th>Vocal</th>
<th>Keyb.</th>
<th>Guitar</th>
<th>Wind</th>
<th>Perc.</th>
<th>Strings</th>
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<tbody>
<tr>
<td>Child abuse workshop EDUC 19210</td>
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<td>Drug and alcohol abuse workshop EDUC 19220</td>
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<td>9(9.5)**</td>
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<tr>
<td>Secondary Instrument Study Plans (p. 269)</td>
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| Wind Instrument Pedagogy MUED 37500 | - | - | - | 2 | 2 | - |
| Class instruments | 4 | 4 | 4 | 2 | 1 | 3 |
| Secondary Instrument Study Plans (p. 269) | |

| Classroom Instruments MUED 24600 | 1 | 1 | 1 | - | - | - |
| Contemporary Ensembles in the Public Schools MUED 28000, MUED 28100 or MUED 28200 | 1 | 1 | 1 | 1 | 1 | 1 |
| String Pedagogy MUED 34700 | - | - | - | - | - | 2 |
| Music Education for Children MUED 26700 | 2 | 2 | 2 | 2 | 2 | 2 |
| General and Choral Music in the Secondary School MUED 36800 | 2 | 2 | 2 | - | - | - |
| Introduction to Music Education - Career Orientation MUED 10100 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Music Field Experience I MUED 10200 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Music Field Experience II MUED 20100 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Current Topics in Music Education - Career Orientation MUED 20200 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Teaching Vocal — General Music MUED 36100 | 1 | 1 | 1 | - | - | - |
| Teaching Instrumental Music MUED 36200 | - | - | - | 1 | 1 | 1 |
| Junior student teaching MUED 36900 or MUED 37100 | 2 | 2 | 2 | 2 | 2 | 2 |
| Junior student teaching and rehearsal techniques lab MUED 38000, MUED 38100 or MUED 38200 | 2 | 2 | 2 | 2 | 2 | 2 |
| Conducting MUED 30100-30200 or MUED 30300-30400 | 4 | 4 | 4 | 4 | 4 | 4 |
Senior student teaching MUED 46800 or MUED 46900 | 6 | 6 | 6 | 6 | 6 | 6
Laboratory Band MUED 35600 | 1 | 1 | 1 | - | - | -
Total | 32 | 32 | 33 | 33 | 33 | 32
Total for degree | 124.5 | 125.5 | 126.5 | 123.5 | 123.5 | 124.5
(124)

* An additional semester of modern language is recommended.

** Saxophone music education majors add 0.5 Class Horn.

* Students who place into level 102 or higher of modern languages [via the in-person exam given by the related department (the online version does not count)] meet the minimum requirements for modern language proficiency. These students can fulfill the 3-credit modern language requirement by taking an upper-level modern language course or by substituting 3 credits of liberal arts electives for this requirement.

** Students may fulfill this requirement by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course, and they take the lower number of music electives.

### Vocal

#### Freshman Year

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<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>English or writing</td>
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<td>3</td>
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<tr>
<td>Educational Psychology</td>
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<td>Music history</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Private voice</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Repertoire class</td>
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<tr>
<td>Choral Ensemble</td>
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<td>1</td>
</tr>
<tr>
<td>(Fundamentals)</td>
<td>(1)</td>
<td>-</td>
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<tr>
<td>Styles/Music Theory I</td>
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<tr>
<td>Sight-Singing I, II</td>
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<td>1.5</td>
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<tr>
<td>Keyboard Musicianship</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Diction</td>
<td>2</td>
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<tr>
<td>Introduction to Music Technology</td>
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<tr>
<td>Introduction to Music Education: Career Orientation</td>
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<td>Music Field Experience I</td>
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<td>School violence prevention workshop</td>
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#### Sophomore Year

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<tr>
<td>Social and Cultural Foundations of Education</td>
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<td>Private voice</td>
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<td>Repertoire class</td>
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<tr>
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<td>Music Theory II, III</td>
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<td>Music Education for Children</td>
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<tr>
<td>Classroom Instruments</td>
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<td>Woodwind Class</td>
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<td>Music Field Experience II</td>
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<td>Current Topics in Music Education: Career Orientation</td>
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<td>Recital attendance</td>
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#### Junior Year

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Private voice 2 2
Repertoire class 0.5 0.5
Choral Ensemble 1 1
Music theory 2 2
Music in Secondary School - 2
Conducting 2 2
Percussion Class - 1
Student Teaching: Vocal 2 -
Teaching Vocal — General Music 1 -
Student Teaching and Rehearsal Lab - 2
Brass Class 1 -
Laboratory Band - 1
Private piano 1 -
Child-abuse workshop - 0
Drug- and alcohol-abuse workshop 0 -
Recital attendance 0 0

**Senior Year**

<table>
<thead>
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**Sophomore Year**

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<table>
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<th>Spring</th>
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<table>
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<th>Spring</th>
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<table>
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<th>Choral Ensemble</th>
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<th>Sight-Singing III, IV</th>
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<th>Spring</th>
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**Freshman Year**

<table>
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<table>
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(17.5)

**Wind and Percussion**

* For those wishing to participate in the NYC Program their senior year, they should take 3 of these 12 credits during their junior year.

** Entire semesters may be reversed in order.
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<thead>
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### Junior Year

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<td>Music theory</td>
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<td>Instrumental Ensemble</td>
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<td>1</td>
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<tr>
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<td>Wind Instrument Pedagogy</td>
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<td>Conducting</td>
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<tr>
<td>Student Teaching: Instrumental</td>
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</tr>
<tr>
<td>Student Teaching and Rehearsal Lab</td>
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<tr>
<td>Teaching Instrumental Music</td>
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### Senior Year

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* Saxophone music education majors add 0.5 Class Horn.
** Entire semesters may be reversed in order.

### Strings

**Freshman Year**

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<td>Music history</td>
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**Sophomore Year**

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<td>Educational Psychology</td>
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### Junior Year

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<tr>
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<td>1</td>
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<td>String Pedagogy</td>
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<td>Brass Class*</td>
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<td>Woodwind Class*</td>
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<td>Student Teaching and Rehearsal Lab</td>
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<td>Child-abuse workshop</td>
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### Senior Year

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### Freshman Year

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<td>Styles/Music Theory I</td>
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<td>Class Voice</td>
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### Sophomore Year

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* Violin and viola majors follow a different sequence of secondary instruction. See “Secondary Instrument Study Plans.” (p. 269)** Entire semesters may be reversed in order.

** Entire semesters may be reversed in order.
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<tr>
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<th>Spring</th>
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<td>Child-abuse workshop</td>
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<td>Music in Secondary School</td>
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<td>Conducting</td>
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### Sophomore Year

<table>
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<tbody>
<tr>
<td>Social and Cultural Foundations of Education</td>
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<td>Educating Children with Special Needs in Diverse Classrooms</td>
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<td>Music history</td>
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<td>Repertoire class</td>
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<td>Music Theory II, III</td>
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<td>Sight-Singing III, IV</td>
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<td>Music Education for Children</td>
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<td>Private voice</td>
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<td>Guitar Ensemble</td>
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### Music theory
- Percussion Class: 2
- Conducting: 2
- Student Teaching and Rehearsal Lab: 2
- Student Teaching: Vocal: 2
- Music in Secondary School: 2
- Teaching Vocal — General Music: 1
- Private voice: 1
- Drug- and alcohol-abuse workshop: 0
- Child-abuse workshop: 0
- Recital attendance: 0

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### Senior Year

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### Bachelor of Music in Performance and Music Education

*For those wishing to participate in the NYC Program during their senior year, they should take these courses during their junior year.

### Liberal Arts

The 27 credits of liberal arts listed here must be taken outside the School of Music. For more information see “Academic Courses of Study.” (p. 210)

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<thead>
<tr>
<th>Course</th>
<th>Vocal</th>
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<th>Guitar</th>
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Natural sciences
(not computer science) 3 3 3 3 3 3
Mathematics (not computer science) 3 3 3 3 3 3
Educational Psychology PSYC 21010 3 3 3 3 3 3
Modern language
(Spanish, Italian, French, or German)* 6*** 3* 3* 3* 3* 3*
Educating Children with Special Needs (EDUC 23900) 3 3 3 3 3 3
Liberal arts electives* 0 3 3 3 3 3
Total 27 27 27 27 27 27

Other Liberal Arts Requirements

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<tr>
<td>Social and Cultural Foundations of Education EDUC 34000</td>
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Music Requirements

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<td>Introduction to Musical Styles MUTH 12100</td>
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Music Theory I-III MUTH 12200, 22100, 22200
Form and Analysis MUTH 32100
Analysis of Music since 1900 MUTH 32200
Sight-Singing MUTH 13300, 13400; MUTH 23300, 23400
Recitals
Music electives**
Diction for the Non-Vocal Music Major
Introduction to Music Technology MUMC 10300
Recital Attendance MUMC 10100
(six semesters required)
Total

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<th></th>
<th>Vocal</th>
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<th>Guitar</th>
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Junior Student Teaching MUED 36900 or MUED 37100
2 2 2 2 2 2
Junior Student Teaching and Rehearsal Lab MUED 38000, MUED 38100 or MUED 38200
2 2 2 2 2 2
Senior Student Teaching MUED 46800 or MUED 46900
6 6 6 6 6 6
Conducting MUED 30100, MUED 30200, MUED 30300 or MUED 30400
4 4 4 4 4 4
Laboratory Band MUED 35600
1 1 1 - - -
Total
32 32 33 33 (33.5) 33 32
Total for degree
146 148 148 146 146 146 (146.5)

* Saxophone music education majors add 0.5 Class Horn.

^ Brass students may substitute two semesters of Brass Choir (at 0.5 credit each semester) for 1 credit of Chamber Music. Percussion students take 2 credits of Percussion Ensemble.

** Students may fulfill the requirement for Fundamentals of Music Theory by scoring 84 percent or higher on a placement exam. Students who score below 84 percent on the exam must take the course, and they take the lower number of music electives.

*** An additional semester of modern language is recommended.

# Students who place into level 102 or higher of modern languages [via the in-person exam given by the related department (the on-line version does not count)] meet the minimum requirements for modern language proficiency. These students fulfill the 3-credit modern language requirement by substituting 3 credits of liberal arts elective in place of this requirement.

* Vocal majors must complete two semesters of modern language. Vocalists must choose French, German, or Italian. Spanish will not fulfill the language requirement for a vocal major. Students who place into a second-semester language course or above (e.g., ITAL 10200 Elementary Italian II) can fulfill the modern language requirement by taking two different languages. Students who do not place into a second semester language course or above, or who have no prior language training, must take two semesters of a single modern language.

** Students entering the School of Music in a non-performance degree program will take 2 credits of private lessons each semester until they are accepted into the performance degree program. Students entering the performance degree program prior to the sophomore year will substitute music electives for any missing lessons study.

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<tr>
<td>Private voice **</td>
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<td>Repertoire class</td>
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<td>Style/Music Theory I</td>
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<td>Keyboard Musicianship</td>
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<tr>
<td>Percussion Class</td>
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<td>Introduction to Music Technology</td>
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<td>Music Theory II, III</td>
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<td>Current Topics in Music Education: Career Orientation</td>
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**Junior Year**

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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
</tr>
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<tbody>
<tr>
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<tr>
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<tr>
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<tr>
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<tr>
<td>Laboratory Band</td>
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<tr>
<td>String Class</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Recital</td>
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<td>-</td>
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<tr>
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<td>Music elective</td>
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**Fifth Year**

<table>
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<tbody>
<tr>
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<tr>
<td>Private voice</td>
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<tr>
<td>Choral Ensemble</td>
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<tr>
<td>Recital</td>
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**Freshman Year**

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<tr>
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**Wind and Percussion**

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<tr>
<td>Choral Ensemble</td>
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</tr>
<tr>
<td>Laboratory Band</td>
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</tr>
<tr>
<td>String Class</td>
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</table>

**Students entering the School of Music in a non-performance degree program will take 2 credits of private lessons each semester until they are accepted into the performance degree program. Students entering the performance degree program prior to the sophomore year will substitute music electives for any missing lessons study.**
<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>Secondary instrument</td>
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<tr>
<td>Class Voice</td>
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<tr>
<td>Introduction to Music Technology</td>
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<td>Introduction to Music Education-Career Orientation</td>
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<tr>
<td>Music Field Experience I</td>
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<td>School violence prevention workshop</td>
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**Sophomore Year**

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<tr>
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<tr>
<td>Chamber Music</td>
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<td>Music Theory II, III</td>
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<tr>
<td>Sight-Singing III, IV</td>
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<td>Music Education for Children</td>
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<td>Secondary instrument</td>
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<td>Current Topics in Music Education-Career Orientation</td>
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**Junior Year**

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<td>Social and Cultural Foundations of</td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>0.5</td>
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<tr>
<td>Chamber Music</td>
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<td>0.5</td>
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<tr>
<td>String Class</td>
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<tr>
<td>Student teaching</td>
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**Fifth Year**

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<td>Private instrument</td>
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<td>Repertoire class</td>
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<td>Instrumental Ensemble</td>
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</table>
### Year-by-Year Course Requirements

**Chamber Music** 0.5  
**Recital** 2  
14

* Saxophone music education majors add 0.5 Class Horn.  
** Entire semesters may be reversed in order.  
*** For those wishing to participate in the NYC Program during their senior year, they should take these courses their junior year.

#### Strings

**Freshman Year**

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<tr>
<th>Course</th>
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<td>English or writing</td>
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<tr>
<td>Styles/Music Theory I</td>
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<tr>
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<td>1.5</td>
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<tr>
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<td>1</td>
</tr>
<tr>
<td>Introduction to Music Technology</td>
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<tr>
<td>Music Field Experience I</td>
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<td>School violence prevention workshop</td>
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**Sophomore Year**

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<td>Private instrument</td>
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**Junior Year**

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<tr>
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<td>0.5</td>
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<td>Drug- and alcohol-abuse workshop</td>
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<td>Child-abuse workshop</td>
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<tr>
<td><strong>Total</strong></td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall**</th>
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<tbody>
<tr>
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<td>Music Theory II, III</td>
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<td>Sight-Singing III, IV</td>
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<td>Secondary instrument</td>
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<tr>
<td>Choral Ensemble</td>
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<td>Class Voice</td>
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<td>Current Topics in Music</td>
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<tr>
<td>Education: Career Orientation</td>
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Liberal arts - 6
Social and Cultural Foundations of Education - 3
Private instrument 2 4
Repertoire class 0.5 0.5
Chamber Music - 0.5
Brass Class - 1
Student teaching 6 -
Music electives 4(3) -
Recital*** - 1
Orchestra 0.5 1
13(12) 17

Liberal arts - 6
Private instrument 4
Repertoire class 0.5
Orchestra 1
Recital 2
Woodwind Class 1
Chamber Music 0.5
15

Fifth Year

Fall
Liberal arts 6
Private instrument 4
Repertoire class 0.5
Orchestra 1
Recital 2
Woodwind Class 1
Chamber Music 0.5
15

Spring

Music history 3
Educating Children with Special Needs in Diverse Classrooms - 3
Private instrument 4 4
Repertoire class 0.5 0.5
Accompanying Master Class 1 1
Choral Ensemble 0.5 0.5
Music Theory II, III 2 2
Sight-Singing III, IV 1 1
Music Education for Children 2 -
Private voice 1 1
Classroom Instruments 1 -
Introduction to Music Technology 1 -
Contemporary Ensembles in the Public Schools - 1
Music Field Experience II 0.5 -
Current Topics in Music Education: Career Orientation - 0.5
Recital attendance 0 0
17.5 17.5

Sophomore Year

Fall
Music history 3 3
Educating Children with Special Needs in Diverse Classrooms - 3
Private instrument 4 4
Repertoire class 0.5 0.5
Accompanying Master Class 1 1
Choral Ensemble 0.5 0.5
Music Theory II, III 2 2
Sight-Singing III, IV 1 1
Music Education for Children 2 -
Private voice 1 1
Classroom Instruments 1 -
Introduction to Music Technology 1 -
Contemporary Ensembles in the Public Schools - 1
Music Field Experience II 0.5 -
Current Topics in Music Education: Career Orientation - 0.5
Recital attendance 0 0
17.5 17.5

Junior Year

Fall
Educational Psychology - 3

* For the specific order and number of credits for each string instrument, see “Secondary Instrument Study Plans.”

(p. 269)** Entire semesters may be reversed in order.

*** For those wishing to participate in the NYC Program during their senior year, they should take these courses their junior year.

Keyboard

Freshman Year

English or writing 3 3
Music history - 3
Private instrument 4 4
Repertoire class 0.5 0.5
Pianist as Collaborator 1 1
(Fundamentals) (1) -
### Social and Cultural Foundations of Education
- Liberal arts: 9
- Private keyboard: 4
- Repertoire class: 0.5
- Ensemble: 1
- Chamber Music: 0.5
- Recital: 2

### Freshman Year

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<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
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<td>(Fundamentals)</td>
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<tr>
<td>Sight-Singing I, II</td>
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<tr>
<td>Keyboard Musicianship</td>
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<td>1</td>
</tr>
<tr>
<td>Class Voice</td>
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<td>1</td>
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<tr>
<td>Introduction to Music Education</td>
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<td>Career Orientation</td>
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<tr>
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### Sophomore Year

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<tbody>
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### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Liberal arts</td>
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</tr>
<tr>
<td>Private instrument</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Repertoire class</td>
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<td>0.5</td>
</tr>
<tr>
<td>Piano Ensemble</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>String Class</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Woodwind Class*</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Percussion Class*</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Laboratory Band</td>
<td>-</td>
<td>1</td>
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<tr>
<td>Student teaching</td>
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<tr>
<td>Recital</td>
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<tr>
<td>Chamber Music</td>
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### Fifth Year

<table>
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<tbody>
<tr>
<td>Music Theory II, III</td>
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*For those wishing to participate in the NYC Program during their senior year, they should take these courses their junior year.*
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<tr>
<th>Course Description</th>
<th>Fall Credits</th>
<th>Spring Credits</th>
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<tbody>
<tr>
<td>Sight-Singing III, IV</td>
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<td>Keyboard Musicianship</td>
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<td>Music Education for Children</td>
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<tr>
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### Senior Year

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<tr>
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<tbody>
<tr>
<td>Liberal arts</td>
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<tr>
<td>Social and Cultural Foundations of Education</td>
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<tr>
<td>Percussion Class*</td>
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<tr>
<td>String Class</td>
<td>-</td>
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<td>Laboratory Band</td>
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<tr>
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### Fifth Year

<table>
<thead>
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<tr>
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<td>Private guitar</td>
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<tr>
<td>Repertoire class</td>
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<tr>
<td>Guitar Ensemble</td>
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<td>Recital</td>
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</tbody>
</table>

*For those wishing to participate in the NYC Program during their senior year, they should take these courses their junior year.

### Bachelor of Music in Performance

**Liberal Arts**

The 30 credits of liberal arts listed in this group must be taken outside the School of Music. For more information, see Academic Courses of Study (p. 210).
English or writing 6 6 6 6 6 6
Humanities 3 3 3 3 3 3
Natural sciences or mathematics 3 3 3 3 3 3
Social or behavioral sciences 3 3 3 3 3 3
Liberal arts electives 9 15 15 15 15
Modern language (Italian, French, or German*) 6 - - - -
Total 30 30 30 30 30 30

Other Liberal Arts Requirements

<table>
<thead>
<tr>
<th></th>
<th>Vocal</th>
<th>Piano</th>
<th>Organ</th>
<th>Guitar</th>
<th>Instr.</th>
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<tr>
<td>Music history</td>
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Music Requirements

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<tr>
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<td>Performance Repertoire and Pedagogy PFMJ 19900</td>
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<td>Guitar</td>
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<td>Pianist as Collaborator MUEN 11700, MUEN 11800</td>
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<tr>
<td>Accompanying Master Class MUEN 21700, MUEN 21800</td>
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<td>Piano/ Instrumental Duo MUEN 31700 or Piano/Vocal Duo MUEN 31800</td>
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<td>Piano Ensemble MUEN 30300</td>
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<td>Elective major ensemble</td>
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<td>Diction</td>
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<td>Chamber Music MUEN 32100</td>
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<td>Fundamentals of Music Theory** MUTH 10100</td>
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<td>Music theory</td>
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<td>Music Theory I MUTH 12200</td>
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<td>Music Theory II-III MUTH 22100-MUTH 22200</td>
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Form and Analysis MUTH 32100
Analysis of Music since 1900 MUTH 32200

**Sight-singing**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Sight-Singing I-II MUTH 13300-MUTH 13400</td>
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<tr>
<td>Advanced Sight-Singing III-IV MUTH 23300-MUTH 23400</td>
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**Secondary instrument**

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<th>Instrument/Class</th>
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<th>Spring</th>
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<tbody>
<tr>
<td>Piano or harpsichord</td>
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<tr>
<td>Introduction to Harpsichord MUMC 27900 or Introduction to the Organ MUMC 27700</td>
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**Career Orientation MUMC 16600**

<table>
<thead>
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<td>1</td>
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**Recitals MUMC 37300, MUMC 47300**

<table>
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<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>3</td>
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**Survey of Piano Literature MUTH 49500, MUTH 49600**

<table>
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<th>Fall</th>
<th>Spring</th>
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<tbody>
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<td>2</td>
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**Piano Pedagogy MUMC 49300**

<table>
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<th>Course</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>-</td>
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**Music electives ++**

<table>
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**Recital Attendance MUMC 10100**

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**Total**

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**Total for degree**

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<tr>
<td>120</td>
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</tbody>
</table>

* Students who place into a second-semester language course or above (e.g., ITAL 10200 Elementary Italian II) can fulfill the modern language requirement by taking two different languages. Students who do not place into a second-semester language course or above, or who have no prior language training, must take two semesters of a single modern language.

** Brass students may substitute two semesters of Brass Choir (at 0.5 credit each semester) for 1 credit of Chamber Music. Percussion students take 2 credits of Percussion Ensemble.

* Students entering the School of Music in a non-performance degree program will take 2 credits of private lessons each semester until they are accepted into the performance degree program. Students entering the performance degree program prior to the sophomore year will substitute music electives for any missing lessons study.

* Two semesters may be fulfilled by participating in other major ensembles (p. 211).

** Students may fulfill the requirement for Fundamentals of Music Theory by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course, and they take the lower number of music electives.

### Vocal

#### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
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<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>English or writing</td>
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<tr>
<td>Music history</td>
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<tr>
<td>Private voice*</td>
<td>4</td>
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<tr>
<td>Repertoire class</td>
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<td>0.5</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Diction</td>
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<tr>
<td>Choral Ensemble (Fundamentals)</td>
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<tr>
<td>Styles/Music Theory I</td>
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<tr>
<td>Sight-Singing I, II</td>
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<tr>
<td>Keyboard Musicianship</td>
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<td>1</td>
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<tr>
<td>Introduction to Music Technology</td>
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### Freshman Year

<table>
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<td>Private piano</td>
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<td>0.5</td>
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<tr>
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<td>1</td>
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<tr>
<td>Music Theory II, III</td>
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<tr>
<td>Sight-Singing III, IV</td>
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<td>Keyboard Musicianship</td>
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<td>Career Orientation</td>
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### Sophomore Year

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<tr>
<td>Private piano</td>
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<tr>
<td>Repertoire class</td>
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<td>0.5</td>
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<tr>
<td>Choral Ensemble</td>
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<td>1</td>
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<tr>
<td>Music Theory II, III</td>
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<tr>
<td>Sight-Singing III, IV</td>
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<tr>
<td>Keyboard Musicianship</td>
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<td>Music Theory II, III</td>
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<td>Required junior recital</td>
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### Junior Year

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<tbody>
<tr>
<td>Private voice</td>
<td>4</td>
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<tr>
<td>Repertoire class</td>
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<td>0.5</td>
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<tr>
<td>Choral Ensemble</td>
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<td>1</td>
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<tr>
<td>Music theory</td>
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<td>Required junior recital</td>
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### Senior Year

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Private voice</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Repertoire class</td>
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<td>0.5</td>
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<tr>
<td>Choral Ensemble</td>
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<tr>
<td>Required senior recital</td>
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<td><strong>Total</strong></td>
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</table>

Students entering the School of Music in a non-performance degree program will take 2 credits of private lessons each semester until they are accepted into the performance degree program. Students entering the performance degree program prior to the sophomore year will substitute music electives for any missing lessons study.

### Piano

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<tbody>
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<td>3</td>
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<tr>
<td>Liberal arts</td>
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<td>Music history</td>
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<td>3</td>
</tr>
<tr>
<td>Private piano*</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Repertoire class</td>
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<td>0.5</td>
</tr>
<tr>
<td>Choral Ensemble</td>
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<td>1</td>
</tr>
<tr>
<td>Music Theory I, II</td>
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<td>1.5</td>
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<tr>
<td>Keyboard Musicianship</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Introduction to Music Technology</td>
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<tr>
<td>Recital attendance</td>
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### Sophomore Year

<table>
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<tbody>
<tr>
<td>Music history</td>
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<tr>
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<tr>
<td>Career Orientation</td>
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</table>

* Students entering the School of Music in a non-performance degree program will take 2 credits of private lessons each semester until they are accepted into the performance degree program. Students entering the performance degree program prior to the sophomore year will substitute music electives for any missing lessons study.
**Recital attendance**

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**Junior Year**

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<tr>
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<tr>
<td>Survey of Piano Literature</td>
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<tr>
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**Senior Year**

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**Organ**

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<td>Music history</td>
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**Sophomore Year**

<table>
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<tr>
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<td>Secondary instrument (piano or</td>
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**Junior Year**

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<tr>
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<tr>
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* Students entering the School of Music in a non-performance degree program will take 2 credits of private lessons each semester until they are accepted into the performance degree program. Students entering the performance degree program prior to the sophomore year will substitute music electives for any missing lessons study.*
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<tr>
<td>Ensemble</td>
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<tr>
<td>Chamber Music</td>
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<td>0.5</td>
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<tr>
<td>Music theory</td>
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<tr>
<td>Survey of Piano Literature</td>
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<td>1</td>
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<tr>
<td>Required junior recital</td>
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<td>Music elective*</td>
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<table>
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<th>Year</th>
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<tr>
<td><strong>Senior Year</strong></td>
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<td>Chamber Music</td>
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</tr>
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<tr>
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<table>
<thead>
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<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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<td><strong>Junior Year</strong></td>
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<td>1</td>
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<tr>
<td>Music theory</td>
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<table>
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<th>Year</th>
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<th>Spring</th>
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<tr>
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<td>Private guitar</td>
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<tr>
<td>Guitar Ensemble</td>
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<tr>
<td>Music theory</td>
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<tr>
<td>Private guitar</td>
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<tr>
<td>Repertoire class</td>
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<tr>
<td>Guitar Ensemble</td>
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### Instrumental

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<tr>
<td>Sight-Singing I, II</td>
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<td>1.5</td>
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<tr>
<td>Keyboard Musicianship</td>
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<td>1</td>
</tr>
<tr>
<td>Introduction to Music Technology</td>
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<th>Spring</th>
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<tr>
<td>Private instrument</td>
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<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td><strong>Junior Year</strong></td>
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<tr>
<td>Liberal arts</td>
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<td>3</td>
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<tr>
<td>Private instrument</td>
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<td>0.5</td>
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<td>1</td>
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<tr>
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<td><strong>Total</strong></td>
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<table>
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<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td><strong>Senior Year</strong></td>
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<td></td>
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<tr>
<td>Chamber Music**</td>
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<td>0.5</td>
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<td>3</td>
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<tr>
<td>Private instrument</td>
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<tr>
<td>Repertoire class</td>
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<td>0.5</td>
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<tr>
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<td>1</td>
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<td>14(13)</td>
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</table>

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** Brass students may substitute two semesters of Brass Choir (at 0.5 credit each semester) for 1 credit of Chamber
Music. Percussion students take 2 credits of Percussion Ensemble.

**Bachelor of Music in Performance — Collaborative Emphasis**

Because of the specific focus and intensive nature of the degree program in music in performance — collaborative emphasis, it may not be combined with other degrees (such as music education).

**Liberal Arts**

The 30 credits of liberal arts listed in this group must be taken outside the School of Music. For more information see “Academic Courses of Study.” (p. 210)

<table>
<thead>
<tr>
<th>Piano/CE</th>
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<tbody>
<tr>
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<tr>
<td>Natural sciences or mathematics</td>
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<tr>
<td>Social or behavioral sciences</td>
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<tr>
<td>Modern language (6 credits each of two of the following: French, German, or Italian. If equivalent proficiency can be demonstrated in one of these languages, then the remaining two should be studied.)</td>
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Total 30

**Other Liberal Arts Requirements**

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Total 9

**Music Requirements**

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<td>Accompanying Master Class MUEN 21700, MUEN 21800</td>
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<td>Choral Ensemble</td>
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<td>Piano/Instrument Duo MUEN 31700</td>
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<td>Piano/Vocal Duo MUEN 31800</td>
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<tr>
<td>Music Theory III MUTH 22200</td>
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<tr>
<td>Form and Analysis MUTH 32100</td>
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<tr>
<td>Analysis of Music Since 1900 MUTH 32200</td>
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<td>Sight-Singing II MUTH 13400</td>
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<tr>
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<tr>
<td>Harpsichord I PFMJ 10702</td>
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<tr>
<td>Career Orientation MUMC 16600</td>
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<tr>
<td>Introduction to Music Technology MUMC 10300</td>
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<tr>
<td>Recitals MUMC 37300, MUMC 47300, MUMC 47500</td>
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<tr>
<td>Piano Pedagogy MUMC 49300</td>
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<tr>
<td>Opera Workshop MUMC 44700</td>
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<tr>
<td>Music electives*</td>
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<tr>
<td>Recital Attendance MUMC 10100 (six semesters)</td>
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Total 84

**Total for degree** 123-
* Students may fulfill the requirement for Fundamentals of Music Theory by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course, and they take the lower number of music electives.

### Fall Semester | Spring Semester
--- | ---
**Freshman Year** |  
English or writing | Modern language 1b | 3 | 3  
Modern language 1a | Music history | 3 | 3  
Private piano* | Private piano* | 4 | 4  
Repertoire class | Repertoire class | 0.5 | 0.5  
Pianist as Collaborator | Pianist as Collaborator | 1 | 1  
(Fundamentals) | Music Theory I | 1 | 2  
Introduction to Musical Styles | 2 | 2 |  
Sight-Singing I | Sight-Singing II | 1.5 | 1.5  
Keyboard Musicianship I | Keyboard Musicianship II | 1 | 1  
Recital Attendance | Recital Attendance | 0 | 0  
Total | Total | 16(17) | 16  

**Sophomore Year**  
Modern language 2a | Modern language 2b | 3 | 3  
Music history | Music history | 3 | 3  
Private piano | Private piano | 4 | 4  
Repertoire class | Repertoire class | 0.5 | 0.5  
Accompanying Master Class | Accompanying Master Class | 1 | 1  
Chamber Music | Chamber Music | 0.5 | 0.5  
Music Theory II | Music Theory III | 2 | 2  
Sight-Singing III | Sight-Singing IV | 1 | 1  
Introduction to Harpsichord | Recital attendance | 1 | 0  
Introduction to Music Technology | Recital attendance | 1 | 0  
Total | Total | 16 | 17  

**Junior Year**  
Introduction to Poetry | Social/behavioral science elective | 3 | 3  
Liberal arts elective | Private piano | 3 | 4  
Natural science/mathematics elective | Repertoire class | 3 | 0.5  
Private piano | Piano/vocal duo | 4 | 1  
Recital class | Analysis of Music since 1900 | 0.5 | 2  
Piano/instrumental duo | Required junior recital | 1 | 1  
Form and Analysis | Choral Ensemble | 2 | 1  
Piano Ensemble | Career Orientation | 1 | 1  
Recital attendance | Recital attendance | 0 | 0  
Total | Total | 17.5 | 13.5  

---
### Senior Year

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<td>Diction</td>
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<td>Diction</td>
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<td>Private piano</td>
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<tr>
<td>Private Accompanying</td>
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<tr>
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<td>Piano Pedagogy</td>
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<td>Survey of Piano</td>
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</table>

Total: 13.5

* Students entering the School of Music in a non-performance degree program will take 2 credits of private lessons each semester until they are accepted into the performance-collaborative emphasis program. Students entering the performance-collaborative emphasis program prior to the sophomore year will substitute music electives for any missing private lesson credits from the previous semester.

### Bachelor of Music in Sound Recording Technology

**Liberal Arts**

The 30 credits of liberal arts listed in this group must be taken outside the School of Music. For more information see “Academic Courses of Study.”

(p. 210)

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<thead>
<tr>
<th>Course</th>
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**Other Liberal Arts Requirements**

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<th>Course</th>
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<td>History and Literature of Music II MUTH 25600</td>
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<td>Jazz History JAZZ 16100 or Pop ‘n’ Rock MUNM 16200</td>
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**Music Requirements**
Performance major
Performance Repertoire and Pedagogy MUMJ 19900
Ensemble
Fundamentals of Music Theory* MUTH 10100
Introduction to Musical Styles MUTH 12100
Music theory
Music Theory I-II MUTH 12200-MUTH 22100
Music Theory III MUTH 22200
Form and Analysis MUTH 32100
Analysis of Music Since 1900 MUTH 32200 or Music history III MUTH 35500
Sight-singing
Sight-Singing I-II MUTH 13300-MUTH 13400
Advanced Sight-Singing III-IV MUTH 23300-MUTH 23400
Diction
Keyboard Musicianship
Career Orientation MUMC 16600
Recital Attendance MUMC 10100 (six semesters required)
Music electives*
Total

Sound Recording Technology Requirements

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<th></th>
<th>Instr.</th>
<th>Vocal</th>
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<tbody>
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<td>Recording Workshop I MUMC 24100</td>
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<td>Recording Workshop II MUMC 24200</td>
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<tr>
<td>Critical Listening for the Recording Studio (0.5 credits each for 4 semesters) MUMC 24300</td>
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<td>Introduction to Electroacoustic Music MUMC 14500</td>
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<td>Digital Sound Production MUMC 24800</td>
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<td>Digital Recording and Editing MUMC 25000</td>
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<td>Advanced Microphone Techniques MUMC 34800</td>
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<td>Advanced Recording Techniques MUMC 34900</td>
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<td>Recording Internship MUMC 49100</td>
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Senior Project MUMC 49200  
Total  

Other Sound Recording Technology Requirements  

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**Total for degree**  

|                        | 121.5  | 123.5 |

* Students may fulfill the requirement for Fundamentals of Music Theory by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course, and they take the lower number of music electives.

**Instrumental Emphasis**

**Freshman Year**  

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<th>Spring</th>
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<td>Physics of Sound</td>
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<td>Music history</td>
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<td>Repertoire class</td>
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<td>Ensemble</td>
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<td>Recording Services Training II (MUMC 14300)</td>
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<td>(Fundamentals)</td>
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<td>Styles/Music Theory I</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Sight-Singing I, II</td>
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<td>1.5</td>
</tr>
<tr>
<td>Keyboard Musicianship I, II</td>
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</tr>
<tr>
<td>Recital Attendance</td>
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<td>0</td>
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<tr>
<td>Introduction to Electroacoustic Music</td>
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**Sophomore Year**  

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**Junior Year**  

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<th>Course Description</th>
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<tr>
<td>Advanced Recording Workshop I (MUMC 34100)</td>
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<td>Advanced Recording Workshop II (MUMC 34200)</td>
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Critical Listening for the Recording Studio (MUMC 24300) 0.5 0.5
Form and Analysis 2 -
Analysis of Music since 1900 or Music history III - 2(3)
Jazz History or Pop ‘n’ Rock 2 -
Music elective - 2
Recital attendance 0 0
Advanced Microphone Technique 3 -
Advanced Recording Technique - 3
15.0 15.0 (16.0)

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<th>Senior Year</th>
<th>Fall</th>
<th>Spring</th>
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<tr>
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<td>Repertoire class</td>
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Vocal Emphasis

**Freshman Year**

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<td>Sight-Singing I, II</td>
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<td>Introduction to Electroacoustic Music</td>
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**Sophomore Year**

<table>
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<td>Career Orientation</td>
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**Junior Year**

<table>
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<td>Repertoire class</td>
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**Senior Year**

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**Bachelor of Music in Combination with an Outside Field**

**Liberal Arts**
The 30 credits of liberal arts listed in this group must be taken outside the School of Music. For more information see “Academic Courses of Study,” (p. 210)

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<td>Natural sciences or mathematics</td>
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<tr>
<td>Social or behavioral sciences</td>
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<td>Liberal arts electives (6 credits of French, German, or Italian recommended for voice majors)</td>
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**Other Liberal Arts Requirements**

<table>
<thead>
<tr>
<th>Category</th>
<th>Vocal</th>
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</thead>
<tbody>
<tr>
<td>Music history</td>
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<td>9</td>
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<tr>
<td>History and Literature of Music I-III</td>
<td></td>
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<tr>
<td>MUTH 25500, 25600, 35500</td>
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<tr>
<td><strong>Total</strong></td>
<td>9</td>
<td>9</td>
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</tbody>
</table>

**Outside Field Requirements**

Outside field requirements must be selected from the minors listed in this catalog or from another structured sequence of courses in disciplines or combinations of disciplines approved in advance by the associate dean of music. If the chosen minor requires fewer than 23 credits, additional courses approved by the associate dean of music must be taken to fulfill the 23-credit requirement.

<table>
<thead>
<tr>
<th>Category</th>
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<th>Instr.</th>
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</thead>
<tbody>
<tr>
<td>Minor or other combination</td>
<td>23</td>
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**Music Requirements**

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<tbody>
<tr>
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<td>16</td>
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<tr>
<td>Performance Repertoire and Pedagogy</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Ensemble</td>
<td>8</td>
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<tr>
<td>Introduction to Musical Styles</td>
<td>2</td>
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<tr>
<td>Music theory</td>
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<tr>
<td>Music Theory I</td>
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<td>Music Theory II</td>
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<td>Music Theory III</td>
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<td>Form and Analysis</td>
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<tr>
<td>Analysis of Music since 1900</td>
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<tr>
<td>Sight-singing</td>
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<td>Sight-Singing MUTH 13300</td>
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<tr>
<td>Sight-Singing MUTH 13400</td>
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<td>Advanced Sight-Singing IV</td>
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<td>Diction</td>
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<td>Keyboard musicianship</td>
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<tr>
<td>Career Orientation</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Introduction to Music Technology</td>
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<tr>
<td>MUMC 10300</td>
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</table>
Music electives+ 6-7 10-11
Recital Attendance MUMC 10100 (six semesters required) 0 0
Total 60 60
**Total for degree** 122 122

* Students may fulfill the requirement for Fundamentals of Music Theory by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course, and they take the lower number of music electives.

<table>
<thead>
<tr>
<th><strong>Freshman Year</strong></th>
<th><strong>Fall</strong></th>
<th><strong>Spring</strong></th>
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<tbody>
<tr>
<td>English or writing</td>
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<td>Music history</td>
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<tr>
<td>Private lessons</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Repertoire class</td>
<td>0.5</td>
<td>0.5</td>
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<tr>
<td>Keyboard Musicianship</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Ensemble (keyboard majors take Pianist as Collaborator)</td>
<td>1(1)</td>
<td>1</td>
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<tr>
<td>(Fundamentals)</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Styles/Music Theory I</td>
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<td>Sight-Singing I, II</td>
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<td>1.5</td>
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<tr>
<td>Diction (vocal majors only)</td>
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<td>-</td>
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<tr>
<td>Introduction to Music Technology</td>
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<td>1</td>
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<tr>
<td>Recital attendance</td>
<td>0(17)</td>
<td>0</td>
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<table>
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<th><strong>Fall</strong></th>
<th><strong>Spring</strong></th>
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<tbody>
<tr>
<td>Liberal arts/outside field</td>
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<td>Music history</td>
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<tr>
<td>Private lessons</td>
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<tr>
<td>Recital attendance</td>
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<table>
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<th><strong>Fall</strong></th>
<th><strong>Spring</strong></th>
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<tbody>
<tr>
<td>Liberal arts/outside field</td>
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<tr>
<td>Private lessons</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Repertoire class</td>
<td>0.5</td>
<td>0.5</td>
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<tr>
<td>Ensemble</td>
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<td>1</td>
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<tr>
<td>Music theory</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Music electives (instrumental majors only)</td>
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<td>(2)</td>
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<tr>
<td>Recital attendance</td>
<td>0(16.5)</td>
<td>0</td>
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<td>14.5(16.5)</td>
<td>14.5(16.5)</td>
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<table>
<thead>
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<th><strong>Fall</strong></th>
<th><strong>Spring</strong></th>
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</thead>
<tbody>
<tr>
<td>Liberal arts/outside field</td>
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<td>5</td>
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<tr>
<td>Private lessons</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Repertoire class</td>
<td>0.5</td>
<td>0.5</td>
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<tr>
<td>Ensemble</td>
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**Bachelor of Music in Jazz Studies**

**Liberal Arts**

The 30 credits of liberal arts listed in this group must be taken outside the School of Music. For more information see “Academic Courses of Study.” (p. 210)

**Vocal**  **Keyb.**  **Instr.**
<table>
<thead>
<tr>
<th>English or writing</th>
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<tr>
<td>Natural sciences</td>
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<tr>
<td>Social or behavioral sciences</td>
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<td>3</td>
<td>3</td>
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<tr>
<td>Liberal arts electives*</td>
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<td>15</td>
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<tr>
<td>Modern Languages (Spanish or Portuguese)**</td>
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**Other Liberal Arts Requirements**

<table>
<thead>
<tr>
<th>Music history</th>
<th>Vocal</th>
<th>Keyb.</th>
<th>Instr.</th>
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<tbody>
<tr>
<td>History and Literature of Music I-III MUTH 25500, 25600, 35500</td>
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**Music Requirements**

<table>
<thead>
<tr>
<th>Performance major (classical)*</th>
<th>Vocal</th>
<th>Keyb.</th>
<th>Instr.</th>
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<tbody>
<tr>
<td>Private Study I, major PFMJ 1xxxxPrivate Study II, major PFMJ 2xxxx</td>
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<tr>
<td>Performance major (jazz)*</td>
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<td>Keyb.</td>
<td>Instr.</td>
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<tr>
<td>Jazz Private Study I, major JAZZ 17000Jazz Private Study II, major JAZZ 27000</td>
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</tr>
<tr>
<td>Performance minor (classical)*</td>
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<td>Keyb.</td>
<td>Instr.</td>
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<tr>
<td>Private Study I, minor or concentration PFMJ 1xx01Private Study II, minor or concentration PFMJ 2xx01</td>
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<tr>
<td>Performance minor (jazz)*</td>
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<td>Keyb.</td>
<td>Instr.</td>
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<tr>
<td>Jazz Private Study I, minor or concentration JAZZ 17001Jazz Private Study II, minor or concentration JAZZ 27001</td>
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<tr>
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<td>Keyb.</td>
<td>Instr.</td>
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<td>Jazz Repertoire and Pedagogy JAZZ 19900</td>
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<tr>
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<td>Vocal</td>
<td>Keyb.</td>
<td>Instr.</td>
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<td>Course</td>
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<td><strong>Fundamentals of Music Theory</strong> MUTH 10100</td>
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<tr>
<td>Music Theory I MUTH 12200</td>
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<td>Music Theory II MUTH 22100</td>
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<td>Music Theory III MUTH 22200</td>
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<tr>
<td>Form and Analysis MUTH 32100</td>
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<td>Analysis of Music since 1900 MUTH 32200</td>
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<tr>
<td><strong>Sight-singing</strong></td>
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<tr>
<td>Sight-Singing I MUTH 13300</td>
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<tr>
<td>Sight-Singing II MUTH 13400</td>
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<tr>
<td>Advanced Sight-Singing III MUTH 23300</td>
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<td>Advanced Sight-Singing IV MUTH 23400</td>
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<tr>
<td>Chamber Music (small jazz ensemble)</td>
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<td>Diction I MUMC 16100</td>
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<td>Career Orientation MUMC 16600</td>
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<tr>
<td>Introduction to Music Technology MUMC 10300</td>
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<td><strong>Secondary instruments</strong></td>
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<td>Keyboard Musicianship I &amp; II</td>
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<td><strong>Jazz Piano I &amp; II</strong></td>
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<tr>
<td>Required Junior Recital MUMC 37300</td>
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<td>Required Senior Recital MUMC 47300</td>
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<td>Music electives**</td>
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<tr>
<td><strong>Jazz Theory and Aural Training</strong></td>
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<tr>
<td>Jazz Theory and Aural Training I JAZZ 20000</td>
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<tr>
<td>Jazz Theory and Aural Training II JAZZ 20100</td>
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<tr>
<td><strong>Jazz Standards and Literature</strong></td>
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<tr>
<td>Jazz Standards and Literature I JAZZ 21000</td>
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<td>Jazz Standards and Literature II JAZZ 31000</td>
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<td>Jazz Standards and Literature III JAZZ 31100</td>
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<td>Jazz Arranging I JAZZ 32300</td>
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<tr>
<td>Jazz Arranging II JAZZ 32500</td>
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<td>Survey of Jazz History JAZZ 16100</td>
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<tr>
<td>Recital Attendance MUMC 10100</td>
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<tr>
<td><em>(six semesters required)</em></td>
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</table>
Total 81 81 81  
**Total for degree** 120 120 120  

* Jazz Studies majors enroll in each major level (I and II) for 2 semesters and each minor level (I and II) for 2 semesters. Concentrations enroll as elective credit in JAZZ 17001 and JAZZ 27001 for up to 4 semesters (2 semesters at level I, and 2 semesters at level II). Individual instructors will be accommodated through section numbers.  

** Students may fulfill this requirement by scoring 84 or higher on a placement exam administered by the Department of Jazz Studies. Students who score below 84 percent on the exam must take these courses, and they take a lower number of music electives to reach 120 total credits.  

* Students may fulfill this requirement by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course, and they take a lower number of electives to reach 120 total credits.  

** Quantity of music electives based on whether or not students take Fundamentals of Music Theory (1 credit) or Jazz Theory and Aural Training (2 credits), to reach 120 total credits.  

**Instrumental or Keyboard**  

**Freshman Year**  

<table>
<thead>
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<th>Course</th>
<th>Fall</th>
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<tbody>
<tr>
<td>English or writing</td>
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<tr>
<td>Liberal arts</td>
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<td>3</td>
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<td>Music history</td>
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<td>3</td>
</tr>
<tr>
<td>Performance major (classical)</td>
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<td>2</td>
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<tr>
<td>Performance Repertoire and Pedagogy</td>
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<td>0.5</td>
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<tr>
<td>Performance minor (jazz)</td>
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<td>1</td>
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<tr>
<td>Jazz Repertoire and Pedagogy</td>
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<td>0.5</td>
</tr>
<tr>
<td>Ensemble</td>
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<td>1</td>
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<tr>
<td>(Fundamentals)</td>
<td>(1)</td>
<td>-</td>
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<tr>
<td>Styles/Music Theory I</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Sight-Singing I, II</td>
<td>1.5</td>
<td>1.5</td>
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<tr>
<td>Career Orientation</td>
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<td>1</td>
</tr>
<tr>
<td>Introduction to Music Technology</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Keyboard Musicianship</td>
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<td>1</td>
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<tr>
<td>Recital attendance</td>
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<tr>
<td><strong>Total</strong></td>
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**Sophomore Year**  

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</thead>
<tbody>
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<td>Music history</td>
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<td>3</td>
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<tr>
<td>Liberal arts</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>English or writing</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Performance major (classical)</td>
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<td>Performance Repertoire and Pedagogy</td>
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### Junior Year

<table>
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<tr>
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</thead>
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<td>Survey of Jazz History</td>
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<tr>
<td>Liberal arts</td>
<td>3</td>
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<tr>
<td>Performance major (jazz)</td>
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<td>2</td>
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<tr>
<td>Jazz Repertoire and Pedagogy</td>
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<td>0.5</td>
</tr>
<tr>
<td>Performance minor (classical)</td>
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### Senior Year

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\* Required for vocalists only  
\** Required for instrumentalists only

### Vocal

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**Junior Year**

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**Senior Year**

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**Bachelor of Music in Music Theory**
Liberal Arts
The 36 credits of liberal arts listed in this group must be taken outside the School of Music. For more information see “Academic Courses of Study.” (p. 210)

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Other Liberal Arts Requirements

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Music Requirements

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Analysis of Music since 1900 MUTH 32200
Advanced Aural Skills MUTH 42900
Figured Bass and Score Reading MUTH 36000
Choral Arranging MUTH 43500
Orchestration MUTH 43700
Sixteenth-Century Counterpoint MUTH 43100
Eighteenth-Century Counterpoint MUTH 43200
Pedagogy of Theory MUTH 44300
Topics in Music Theory MUTH 42100
(taken twice)

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Keyboard musicianship          2
Private Piano I-II (four semesters; 1 credit each) PFMJ 10302, PFMJ 20302 4
Class Voice PFSM 10100           -
Diction                           4
Career Orientation MUMC 16600 1
Introduction to Music Technology MUMC 10300 1
Music electives*                 5-6
Recital Attendance MUMC 10100 (six semesters required) 0

Total 79 77 78

Total for degree 126 124 125

* Physics of Sound and/or a philosophy course is recommended.

* Students may fulfill the requirement for Fundamentals of Music Theory by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course, and they take the lower number of music electives.

Vocal

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**Junior Year**

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**Senior Year**

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### Junior Year

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### Senior Year

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### Instrumental

**Freshman Year**

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Bachelor of Music in Composition

Liberal Arts
The 30 credits of liberal arts listed in this group must be taken outside the School of Music. For more information, see “Academic Courses of Study.” (p. 210)

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<th>Instr.</th>
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Other Liberal Arts Requirements

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History and Literature of Music I-III MUTH 25500, 25600, 35500
Total 9 9 9 9

Music Requirements
Each composition student has the following portfolio requirement for graduation: a choral work, a solo voice collection with accompaniment, a solo piano work, a work for one or more strings, a work involving an electronic medium, a chamber work, and a work for a large ensemble (winds, orchestra, or large jazz ensemble).

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<th>Instr.</th>
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<td>Analysis of Music since 1900 MUTH 32200</td>
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Composition Recital MUTH 49800 \[2\] 2 2 2 2
Conducting \[4\] 4 4 4 4
Music electives \[11-12\] 3-4 7-8 7-8
Recital Attendance MUMC 10100 (six semesters required) \[0\] 0 0 0 0
Total \[85\] 85 85 85 85
Total for degree \[124\] 124 124 124 124

** Composition majors must pass a piano proficiency exam by the end of the junior year.

* Students may fulfill the requirement for Fundamentals of Music Theory by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course; those students take the lower number of music electives.

§ At least 2 credits from jazz arranging courses or advanced electroacoustic music courses are required.

\[\] Any two courses in electroacoustic music will fulfill this requirement.

### Normal Course Plan

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Optional Vocal Emphasis
(Open to composition majors who pass vocal audition)

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<tr>
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<th>Senior Year</th>
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<td>Conducting</td>
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Optional Keyboard Emphasis
(Open to composition majors who pass keyboard audition)

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<td>1</td>
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<tr>
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<tr>
<td>Styles/Music Theory I</td>
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<td>2</td>
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<tr>
<td>Sophomore Year</td>
<td>Fall</td>
<td>Spring</td>
</tr>
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<tr>
<td>Composition</td>
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<tr>
<td>Introduction to Music Technology</td>
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<tr>
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<td>0</td>
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<tr>
<td><strong>Total</strong></td>
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<td><strong>15.5</strong></td>
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<table>
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<th>Spring</th>
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<tr>
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<td>1</td>
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<tr>
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<td>Composition</td>
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**Optional Instrumental Emphasis**

(Open to composition majors who pass instrumental audition)

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<td>-</td>
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<td>Styles/Music Theory I</td>
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<td>Ensemble</td>
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<td>Music theory</td>
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<td>Composition</td>
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<tr>
<td>Music elective</td>
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<td>Orchestration</td>
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<td>Choral Arranging</td>
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<td>Private piano</td>
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<td>Ensemble</td>
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<tr>
<td>Sight-Singing III, IV</td>
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### Notes
- **Sight-Singing I, II**: 1.5 credits each semester.
- **Keyboard Musicianship**: 1 credit each semester.
- **Composition**: 3 credits each semester.
- **Introduction to Music Technology**: 1 credit each semester.
- **Recital attendance**: Not mandatory.
- **Music electives**: 2 credits each semester for a total of 15 (16 credits for seniors).
- **Sophomore Year**: Fall 3, Spring 3.
- **Junior Year**: Fall 6, Spring 3.
- **Senior Year**: Fall 6, Spring 6.
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<thead>
<tr>
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<tr>
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<td>1</td>
<td></td>
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</tr>
<tr>
<td>Music theory</td>
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<tr>
<td>Orchestration</td>
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<tr>
<td>Choral Arranging</td>
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<tr>
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### Senior Year

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<td>Ensemble</td>
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<td>Total</td>
<td>16</td>
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**Bachelor of Arts in Music**

The bachelor of arts in music degree program gives the largest number of electives with the potential for substantive study in the liberal arts with music as a base.

### Liberal Arts

The 78 credits of liberal arts listed in this group must be taken outside the School of Music. For more information see “Academic Courses of Study.” (p. 210)

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<tr>
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<th>Instr.</th>
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<tr>
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<tr>
<td>Social or behavioral sciences</td>
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### Other Liberal Arts Requirements

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<tr>
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History and Literature of Music I MUTH 25500
History and Literature of Music II MUTH 25600
History and Literature of Music III MUTH 35500
Music history electives

<table>
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**Music Requirements**

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<td>12</td>
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<tr>
<td>(2 credits for each of six semesters)</td>
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<tr>
<td>Performance Repertoire and Pedagogy PFMJ 19900</td>
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<tr>
<td>Ensemble</td>
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<td>4</td>
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<tr>
<td>Pianist as Collaborator MUEN 11700, MUEN 11800</td>
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<td>-</td>
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<tr>
<td>Fundamentals of Music Theory* MUTH 10100</td>
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<tr>
<td>Introduction to Musical Styles MUTH 12100</td>
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<tr>
<td>Diction MUMC 16100, MUMC 16200</td>
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<td>Recital Attendance MUMC 10100 (six semesters required)</td>
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**Total for degree**

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<td>128 (129)*</td>
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* Students who place into a second-semester language course or above (e.g., ITAL 10200 Elementary Italian II) can fulfill the modern language requirement by taking two different languages. Students who do not place into a second-semester language course or who have no prior language training must take two semesters of a single modern language.

* Students may fulfill the requirement for Fundamentals of Music Theory by scoring 84 percent or higher on a placement exam administered by the Department of Music Theory, History, and Composition. Students who score below 84 percent on the exam must take the course, and their music requirement is increased by 1 credit.

**Freshman Year**

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<tbody>
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<td>Course</td>
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<td>Spring</td>
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<tr>
<td>-------------------------------------------</td>
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<td>(keyboard majors: Pianist as Collaborator)</td>
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**Sophomore Year**

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**Junior Year**

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**Senior Year**

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<thead>
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* Required for voice majors only

**Combined Bachelor’s and Master’s Degree Programs**

New York State requires that teachers seeking professional certification in the state complete a master’s degree within five years of their initial certification. Thus, students may want to begin graduate study immediately after graduation with the bachelor’s degree.

Qualified students who wish to complete both the bachelor’s and master’s degree programs in music education within five calendar years may be able to do so with careful planning and by attending summer sessions. Qualified students in the four-and-one-half-year program may complete their bachelor’s degree and the master’s degree in music education in five-and-one-half or six years. Any student interested in these opportunities should consult with the chair of graduate studies in music at the end of the junior year.

Undergraduate students will need to apply for the master’s degree, complete all application procedures, and hold a minimum GPA of 3.00. Please note that students must make formal application to the graduate program and be accepted in order to pursue the master’s degree. Graduate-level music education core courses (MUED 68000 Psychology of Music Teaching and MUED 68200 Seminar in Music Education) may not be taken until formal acceptance into the graduate program.

Below are suggested plans of study for each of the bachelor’s programs.

### Five-Year Combined Bachelor of Music Education and Master of Music Education

**Summer following senior year**

| Graduate electives | 7 |

Subtotal: 7

**Graduate electives:** At least 3 credits of the total number of electives must be music education electives.

**Fifth year — fall semester**

- Bibliography and Research in Music MUTH 65200 3
- Graduate electives 4

Subtotal: 7

**Graduate electives:** At least 3 credits of the total number of electives must be music education electives.

**Summer following fifth year**

- Seminar in Music Education MUED 68200 3
- Portfolio and Presentation II MUED 65500 1

Subtotal: 5

**Combined Bachelor of Music Education and Performance and Master of Music Education - Option A**

**Fall (ninth semester) — with approval of graduate chair**

- Bibliography and Research in Music MUTH 65200 3

Subtotal: 3

**Spring following ninth semester**

- Graduate electives 4
Wind Literature MUED 54000
or
Choral Literature MUED 54100  2
Major instrument  2
Ensemble (or performance minor)  1

Subtotal: 9

Graduate electives: At least 3 credits of the total number of electives must be music education electives.

Summer session
Psychology of Music Teaching MUED 68000  3
Portfolio and Presentation MUED I 65400  1
Graduate electives  5

Subtotal: 9

Graduate electives: At least 3 credits of the total number of electives must be music education electives.

Fall semester
Seminar in Music Education MUED 68200  3
Portfolio and Presentation II MUED 65500  1
Graduate electives  3
Major instrument  1
Ensemble (or performance minor)  1

Subtotal: 9

Graduate electives: At least 3 credits of the total number of electives must be music education electives.

Spring following ninth semester
Graduate electives  3
Wind Literature MUED 54000

Subtotal: 30

Combined Bachelor of Music Education and Performance and Master of Music Education - Option B

Secondary Instrument Study Plans

Four-Year Music Education Curriculum, Freshman and Sophomore Years

<table>
<thead>
<tr>
<th>Major Instrument</th>
<th>Freshman Year</th>
<th>Spring</th>
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Graduate electives: At least 3 credits of the total number of electives must be music education electives.

Summer session
Bibliography and Research in Music MUTH 65200  3
Graduate electives  3

Subtotal: 6

Graduate electives: At least 3 credits of the total number of electives must be music education electives.

Fall semester
Graduate electives  3
Major instrument  1
Ensemble (or performance minor)  1

Subtotal: 5

Graduate electives: At least 3 credits of the total number of electives must be music education electives.

Spring semester
Psychology of Music Teaching MUED 68000  3
Portfolio and Presentation MUED I 65400  1
Major instrument  1
Graduate electives  3

Subtotal: 8

Graduate electives: At least 3 credits of the total number of electives must be music education electives.

Summer session
Seminar in Music Education MUED 68200  3
Portfolio and Presentation II MUED 65500  1

Subtotal: 4

Subtotal: 30
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### Viola

<table>
<thead>
<tr>
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<td>PFSM 35100 Brass Class</td>
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</table>

* Block course

* Students are required to complete two of these three block brass courses. The appropriate courses are dependent on the background of each student.

### Cello

<table>
<thead>
<tr>
<th>Major Instrument</th>
<th>Junior Year</th>
<th>Spring</th>
<th>Senior Year</th>
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### Double Bass

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### Four-Year Music Education Curriculum, Junior and Senior Years

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<th>Major Instrument</th>
<th>Junior Year</th>
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<th>Senior Year</th>
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<tbody>
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* Block course
## Performance/Music Education

### Four-and-a-Half-Year Curriculum, Freshman and Sophomore Years

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</tr>
<tr>
<td><strong>Trumpet</strong></td>
<td>PFSM 17100 Kbd Musicianship</td>
<td>PFSM 17200 Kbd Musicianship</td>
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<tr>
<td></td>
<td>PFSM 10100 Class Voice</td>
<td>PFSM 12100 Class Flute</td>
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<tr>
<td></td>
<td>PFSM 13100 Class Horn*</td>
<td>PFSM 12300 Class Oboe</td>
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<td>PFSM 12900 Class</td>
<td>PFSM 12700 Class Bassoon</td>
</tr>
<tr>
<td>Instrument</td>
<td>PFSM 17100 Kbd Musicianship</td>
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<tr>
<td>Trombone</td>
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<tr>
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<tr>
<td>Trombone</td>
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<tr>
<td>Tuba*</td>
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<tr>
<td>Euphonium</td>
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<tr>
<td>Tuba</td>
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<tr>
<td>Tuba*</td>
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<tr>
<td>Percussion</td>
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<tr>
<td>Piano</td>
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<tr>
<td>Organ</td>
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<tr>
<td>Violin</td>
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<tr>
<td>Guitar</td>
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<tr>
<td>Violin</td>
<td></td>
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<tr>
<td>Violin</td>
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Performance/Music Education Four-and-a-Half-Year Curriculum, Junior and Senior Years

<table>
<thead>
<tr>
<th>Major Instrument</th>
<th>Junior Year</th>
<th></th>
<th>Spring</th>
<th>Senior Year</th>
<th>Spring</th>
<th>9th Semester</th>
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<td>Fall</td>
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<tr>
<td>Flute</td>
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<td>PFSM 14100 Percussion Class</td>
<td>-</td>
<td>PFSM 24700 String Class*</td>
<td>-</td>
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</tr>
<tr>
<td>Oboe</td>
<td>PFSM 12700 Class Bassoon</td>
<td>PFSM 14100 Percussion Class</td>
<td>-</td>
<td>PFSM 24700 String Class*</td>
<td>-</td>
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<tr>
<td>Clarinet</td>
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<td>-</td>
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<td>Bassoon</td>
<td>PFSM 12900 Class Saxophone*</td>
<td>PFSM 12300 Class Oboe</td>
<td>-</td>
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</tr>
<tr>
<td>Saxophone</td>
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<td>PFSM 14100 Percussion Class</td>
<td>-</td>
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<td>-</td>
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<tr>
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<td>PFSM 24700 String Class*</td>
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</tr>
<tr>
<td>Trumpet</td>
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<td>PFSM 24700 String Class*</td>
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<td>Trombone</td>
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<td>PFSM 14100 Percussion Class</td>
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<td>-</td>
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<td>Euphonium</td>
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<td>PFSM 24700 String Class*</td>
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<td>PFSM 24700 String Class*</td>
<td>-</td>
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<tr>
<td>Percussion</td>
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<td>PFSM 12300 Class Oboe</td>
<td>-</td>
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<tr>
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<td>PFSM 34900 Woodwind Class</td>
<td>PFSM 24700 String Class*</td>
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<td>PFSM 34900 Woodwind Class</td>
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<tr>
<td>Voice</td>
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<td></td>
</tr>
<tr>
<td>Guitar</td>
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<td>PFSM 34900 Woodwind Class</td>
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<tr>
<td>Violin</td>
<td>PFSM 11500 Class</td>
<td>PFSM 11200 Class Viola</td>
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<td>PFSM 35100 Brass Class</td>
</tr>
<tr>
<td></td>
<td>Double Bass</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Viola</td>
<td>PFSM 10900 Class Violin</td>
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<td></td>
<td></td>
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<td>PFSM 34900 Woodwind Class</td>
</tr>
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<td>PFSM 34900 Woodwind Class</td>
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<tr>
<td>Double Bass</td>
<td>PFSM 11300 Class Cello</td>
<td>PFSM 11200 Class Violin PFSM 14100 Percussion Class</td>
<td></td>
<td></td>
<td>PFSM 35100 Brass Class</td>
<td>PFSM 34900 Woodwind Class</td>
</tr>
</tbody>
</table>

* Block course

* Students are required to complete two of these three block brass courses. The appropriate courses are dependent on the background of each student.
Extramural (Nondegree) Study

Persons who are not seeking a degree at Ithaca College may enroll on a course-by-course basis in undergraduate and graduate classes as extramural (nondegree) students. Extramural study at Ithaca College is appropriate for a wide range of individuals, such as

- persons who never started college or who want to return to college
- area residents who want to take a course or two for professional development or personal interest
- college graduates who want to continue their education at either the undergraduate or graduate level
- students at another college or university who want to enroll for transfer of credit
- international students whose visa eligibility and financial status are approved by the Office of International Programs
- qualified high school students who wish to get a head start in college-level study
- Ithaca College employees who have the approval of their department supervisor and the Office of Human Resources

Eligibility and Limitations

Extramural students who have graduated from high school or hold a GED or an associate’s degree may register for undergraduate courses only. Those who already hold a bachelor’s or advanced degree may register for either undergraduate or graduate courses; however, for registration in graduate courses, permission of the graduate chair is required. All classes (with certain restrictions) are open to extramural students on a space-available basis. Registrants must meet the prescribed prerequisites for any course. In academic matters, no distinction is made among students, regardless of age. Extramural students are generally ineligible for enrollment in independent studies and internships.

Extramural students may enroll for a cumulative total of 18 undergraduate credits before applying to any undergraduate degree program. More than 18 credits may be taken only if the student does not wish to participate in a degree program and signs a statement of understanding to that effect. Extramural students who enroll in graduate courses are subject to the guidelines on transfer of credit outlined in the Ithaca College graduate catalog. No more than 12 graduate credits taken as an extramural student may be applied to a graduate degree at Ithaca College.

Credits earned on an extramural basis may be transferred to an Ithaca College degree program, although this transfer is not guaranteed. All transfer credits are subject to approval by the appropriate dean. Anyone wishing to enter an undergraduate or graduate degree program must apply to the College’s Office of Admission, 607-274-3124 (links below).

Undergraduate Programs (http://www.ithaca.edu/admission/)

Graduate Studies (http://www.ithaca.edu/gps/gradprograms/)

Ithaca College reserves the right to suspend the eligibility of any student who does not maintain a passing cumulative grade point average (2.00). All dismissals from the program are at the discretion of the program director.

Matriculated Ithaca College undergraduate and graduate students—including those who are suspended, dismissed, withdrawn, or on a leave of absence from any school within the College—are not eligible for registration as extramural students.

Registration and Tuition

Course registration for extramural study is completed during the first week of classes. Extramural registrants pay on a per-credit basis for 1 to 11 credits. The 2012-13 undergraduate rate is $1,232 per credit. The graduate tuition rate varies according to program. Those registered for 12 to 18 credits pay a flat rate equal to the current full-time matriculated student tuition rate. (The 2012-13 rate is $18,500 per semester.) The fee to audit is 10 percent of the undergraduate per credit tuition rate for both undergraduate and graduate courses.

New York State requires all students who register for 6 or more credits in a semester to provide proof of immunization against measles, mumps, and rubella.

Contact the Office of Extended Studies for more information. An adviser is available to help students select courses. Visit the website.

(www.ithaca.edu/gps/nondegree)

Continuing Professional Education

Ithaca College offers programs specially designed for those professionals whose educational needs are not met by the regular course offerings of the College. The Office of Extended Studies works with Ithaca College faculty, staff, and administration to provide workshops, conferences, and meetings for professional groups. Visit the professional program information on the website or contact the Office.
of Extended Studies for additional information. 
(http://www.ithaca.edu/gps/professional)
ACADEMIC INFORMATION

This section gives details of academic affairs information; credit and grade information; graduation and program regulations; leaves of absence, withdrawals, and readmissions; and registration and course information. Students are expected to acquaint themselves with this information and to work closely with their adviser on the implementation of regulations.

Academic Affairs Information

Responsibilities of Students

Students are responsible for making sure that they are doing satisfactory work toward completion of a degree at the College. Any changes that affect a student’s individual curriculum must be approved by the student’s academic dean or director. A copy of the approved changes must be sent to the Office of the Registrar. Students are advised to check their final term reports on the student information system website for accuracy and, if there are questions, to consult the Office of the Registrar within four weeks. Students may check their academic records in the Office of the Registrar at any time.

Plagiarism — Every student’s work is expected to represent personal efforts. In cases involving allegations of plagiarism (see “Plagiarism” in the Ithaca College student handbook) or any other form of academic dishonesty, the procedures set out in the Ithaca College “Student Conduct Code” (part of the Ithaca College student handbook) are followed. All unresolved differences (as well as repeat offenses) are referred to the Conduct Review Board for hearing in accordance with the code.

Students’ Right to Petition

Each currently enrolled undergraduate student has the right to petition the provost to waive any of the all-College academic regulations and to review any other academic problem that has not been resolved first by the instructor, or subsequently by the department chair, and then by the dean.

The student should submit a written petition to the dean with a copy to the department chair and the faculty member involved. The dean sends the petition to the provost, along with his or her recommendation. Each petition is considered by the provost on an individual basis and is decided based on the facts that pertain to the particular student’s situation. When it is appropriate and feasible, the provost consults with the individuals involved before making a final decision.

Academic Standards

College academic standards require that a full-time student pass 24 credit hours in any consecutive 12-month period and maintain at least a 2.00 cumulative GPA. A summer session cannot be counted twice, i.e., as part of two 12-month periods. Individual schools and programs may have more stringent requirements; therefore, students must check the school and department listings for those additional requirements. To be eligible for certain state and federal financial aid programs, students must meet standards; see the “Academic Standing and Progress” section. (http://www.ithaca.edu/catalogs/ug1112/studentaid/academic_standing_and_progress/)

After a case-by-case review, students who do not meet the College academic standards may be permitted to continue their studies at the College on academic warning, but they are also subject to immediate suspension or dismissal. A student may be suspended or dismissed by a dean from the school and from Ithaca College. Students may be suspended or dismissed from a degree program in accordance with published special academic status policies. Students are informed by letter of the conditions of their suspension and of the criteria and procedures for return. Students who are dismissed from a program, a school, or the College may not return to the unit from which they have been dismissed. Students dismissed from a program or school but not from the College may return to another program or school if accepted by that unit. The specific consequences of each type of action are described below.

If a student withdraws from the College after the deadline for course withdrawal for the semester, he or she may still be subject to academic suspension or dismissal for unsatisfactory academic performance. The suspension or dismissal action takes precedence over the withdrawal.

Warning, Suspension, Dismissal

Academic Warning

Students who have not met published academic standards may be placed on academic warning for a semester. Warning status is imposed by each school’s dean. As indicated in the preceding paragraphs, students are subject to immediate suspension or dismissal without a prior semester on warning.

When students are placed on academic warning, they are informed in writing of the reasons for the warning, any special warning conditions, and the criteria they must meet to be removed from warning. Warnings are not recorded on
the student’s official transcript. If a student is not removed from warning status after one semester, he or she will be considered for suspension for a minimum of one semester and a summer, or for dismissal.

Each school and department may have additional policies and procedures regarding academic warning. Please consult the appropriate sections in this catalog.

**Academic Suspension**

Students suspended from a school for academic deficiencies are also suspended from Ithaca College and may not enroll in any courses at the College for at least one semester and a summer term. The date and conditions under which a student is eligible to return are specified in the letter of suspension. All suspensions are recorded on the student’s official academic transcript. Students on academic suspension must apply to return to the College and demonstrate that they have met the conditions specified in the letter of suspension for eligibility to return.

**Academic Dismissal**

Students dismissed from Ithaca College may not return to continue their studies at the College. Schools within the College adhere to different academic regulations; therefore, students may be dismissed from a school but still meet College academic standards. In such instances, students are dismissed from the school and suspended from the College for at least one semester and a summer. To return, a student must apply to and be accepted by a degree program in another school. All dismissals from the College are recorded on the student’s official academic transcript.

**Return after Academic Suspension or Dismissal**

Students who have been suspended or dismissed and are eligible to return must apply to return to the College. Any student returning to the College after academic suspension or dismissal from a school returns on warning status for the first semester. At the end of that semester, the school to which the student has returned determines whether the student may continue to be enrolled at Ithaca College.

As indicated, students suspended from Ithaca College may return subject to the fulfillment of specified conditions. Students who are dismissed from Ithaca College for academic reasons may not return to the College.

Students who return from academic suspension in the degree program from which they were suspended resume the degree requirements in effect at the time of suspension. If the program requirements have changed during the period of suspension, the student may choose between the original and the new requirements. Students who do not return at the specified time and whose period of suspension is not extended will have “Withdrawn — did not return after suspension” recorded on their official transcript.

Students who wish to apply for admission to a different program or school following suspension, or who have been dismissed from a degree program at the time of their suspension, must meet the admission criteria for the new program and be accepted by that program. Students must contact the new school to find out the specific admission or readmission criteria. If accepted, the students must meet the graduation requirements in effect at the time of admission to that program.

Students who do not return at the end of the specified period of suspension and whose period of suspension is not extended by permission of the dean must, if they wish to return, apply for readmission to the College. They must follow the program requirements in effect in the semester of return, even though the requirements may be different from those under which they entered the program. Students must apply for readmission in accordance with official College readmission procedures. (http://www.ithaca.edu/catalogs/ug1112/academicinfo/leaves_of_absence_withdrawals_and_readmissions/)

**Program Suspension or Dismissal**

Students may be suspended or dismissed from a particular degree program for failure to meet requirements in that program, yet not be suspended or dismissed from a school or the College. In the case of a program suspension, a department may set special conditions that must be satisfied during the specified period of program suspension. When students are dismissed from a program, they are eligible to make a change of major to another program provided they are accepted by the new department and, if applicable, school. For students who decide to leave the College, the dismissal is effective immediately. For students remaining at the College, such program dismissals take effect at the end of the following semester to allow them time to decide on, and be admitted to, a new major. Meanwhile, they continue to be listed in the current degree program with the same faculty adviser. Failure to change majors during the semester will result in suspension from the school and the College.

**Academic Records**

The Office of the Registrar is responsible for the maintenance and accuracy of all permanent academic records. Shortly after the close of each semester, currently enrolled students can access their final grade report using the student information system website. Any changes to the report must be arranged no later than two weeks from the date when classes begin in the succeeding semester. Hence, each student is advised to review each term report carefully.

**Family Educational Rights and Privacy Act of 1974 (FERPA)**

Ithaca College complies with the Family Educational Rights and Privacy Act of 1974. This act was designed to
The right to inspect and review the student’s education records within a reasonable period of time, but in no case longer than 45 days once a student has submitted a request. A student should submit to the registrar, dean, department chairperson, or other appropriate official a written request that identifies the records he or she wishes to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

Records Exempt: The law exempts from student access some school records under specific conditions, which include:

a. Records of instructional, supervisory, and administrative personnel and educational personnel ancillary to those persons that are kept in the sole possession of the maker of the record and are not accessible or revealed to any other person except a temporary substitute for the maker of the record.

b. Records of a law enforcement unit of the College (Office of Public Safety) created by the unit for a law enforcement purpose and maintained by the unit.

c. Records on a student who is 18 years old or older that are made or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in his or her professional capacity or assisting in a paraprofessional capacity and that are used only in connection with treatment of the student and disclosed only to individuals providing the treatment.

d. Financial information submitted by parents.

e. Records relating to individuals who are employed by the institution, when the records are made and maintained in the normal course of business, relate exclusively to individuals in their capacity as employees, and are not available for use for any other purpose. However, records of students who are employed as a result of their status as students (e.g., work-study) are education records.

f. Records that contain only information about the student after he or she is no longer a student at the College.

g. If the education records of a student contain information on more than one student, the parent or eligible student may inspect, review, or be informed of only the specific information about the student.

h. Confidential letters and statements of recommendation placed in the records after January 1, 1975, to which the student has waived his or her rights to inspect and review and that are related to the student’s admission, application for employment or job placement, or receipt of honors.

The right to request amendment of the student’s education record that the student believes is inaccurate or misleading. A student may ask the College to amend any part of his or her record that the student believes is inaccurate or misleading. The student should write to the College official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student upon notification of the right to a hearing.

The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent or that such information has been designated by the College as directory information. FERPA permits disclosure without consent to school officials with legitimate interests. A school official is any person employed by the College in an administrative, supervisory, academic, research, or support staff position (including public safety personnel and health services staff); a person or company providing services or functions or otherwise authorized to act on behalf of the College (such as a consultant, attorney, auditor, volunteer, or collection agent); a person serving on the board of trustees; or a student serving on an official committee (such as a disciplinary or grievance committee) or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. The College is permitted to disclose, without consent, when the College is returning records to the apparent creator (e.g., a transcript or a letter of recommendation) to verify authenticity. Under certain emergency situations, it may be necessary to release information to
protect the health or safety of the student or other students. The College may disclose education records if it determines that there is an articulable and significant threat to the health or safety of a student or other individuals, but only to those persons whose knowledge of the information is necessary to protect the health or safety of the student or other individuals. The College will keep a record in the Office of Student Affairs and Campus Life of the articulable and significant threat that formed the basis for the disclosure and of the parties to whom the information was disclosed.

FERPA also permits disclosures of personally identifiable information, including updated or corrected information, without consent to schools in which a student seeks or intends to enroll; to federal, state, and local authorities in connection with an audit or evaluation of compliance with education programs; in connection with financial aid; to organizations conducting studies for or on behalf of educational institutions; to accrediting organizations; in the context of a lawsuit that the student brought against the institution or the institution brought against the student; to parents when a student is a “dependent” for tax purposes; to a victim of an alleged perpetrator of a crime of violence or nonforcible sex offense; to parents of a student under the age of 21 if the student has violated College alcohol or drug laws; and to comply with a judicial order or subpoena. The College is also permitted to disclose information concerning a student’s status as a registered sex offender in accordance with state and federal disclosure requirements.

**Directory Information:** In accordance with FERPA, College policy limits disclosure of personally identifiable information from the educational records of students (with the exception of “directory information”) to those instances authorized by FERPA. In accordance with FERPA, Ithaca College has designated the following list of student information as public or “directory information”: name, address, telephone number, e-mail address, dates of attendance, class, full- or part-time status, previous institutions attended, major field of study, awards, honors (including dean’s list), degrees conferred (including dates), past and present participation in officially recognized sports and activities, physical factors (height and weight of athletes), date and place of birth, and ID pictures. Such information may be disclosed by the College for any purpose, unless specifically requested not to do so by the student.

A currently enrolled student may withhold disclosure of directory information under FERPA by completing a request form available at the Office of Student Affairs and Campus Life (340 Egbert Hall). Directory information will continue to be withheld until the student rescinds this request.

**Disclosure of Education Record Information to Parents:** An Ithaca College student has the opportunity to declare whether he or she is independent or dependent for income tax purposes on the enrollment confirmation form provided to all incoming freshmen and transfer students at the time of their acceptance to Ithaca College. If a student’s status changes, he or she should notify the Office of the Registrar. Ithaca College may disclose information (including grades) from a student’s education records to the parents of an eligible student who claim that student as a dependent for income tax purposes, unless there is a court order, state statute, or other legally binding document prohibiting such disclosure. If a student claims he or she is not a dependent, the parents will need to submit their most recent federal income tax form to the Office of the Registrar as evidence that the student is a dependent.

4. **The right to file a complaint** with the U.S. Department of Education concerning alleged failures by Ithaca College to comply with the requirements of FERPA. The office that administers FERPA is the Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue SW, Washington, DC 20202-4605.

A complete copy of the Family Educational Rights and Privacy Act of 1974 is available in the College library. Questions concerning FERPA may be referred to the Office of Student Affairs and Campus Life or the Office of the Registrar. Copies of this policy may be obtained in the Office of Student Affairs and Campus Life.

**Student Retention Rates**

The third semester retention rate is the percent of entering freshmen who return to the College for their sophomore year. At Ithaca College, 83.4 percent of the freshmen entering in the fall of 2010 returned in the fall of 2011. For comparison, the national rate at similar colleges was 71.9 percent based on information collected by ACT in the summer of 2011 from 507 Master’s/1st Professional Private Institutions.

Another important statistic is the graduation rate of first-time, full-time freshmen who begin in the fall. At Ithaca College, 72.8 percent of the freshmen entering in fall 2005 graduated within five years. For comparison, the national rate at similar colleges was 52.2 percent based on information collected by ACT in the summer of 2011 from 403 Master’s/1st Professional Private Institutions.
Credit and Grade Information

Unit Credit (Credit Hours)
Credit is earned at Ithaca College in credit hours as measured by the Carnegie unit. The Carnegie unit is defined as one hour of classroom instruction and two hours of assignments outside the classroom, for a period of 15 weeks for each unit (credit).

Class Determination
Students are classified as freshmen, sophomores, and so on, on the following basis (earned credits from all sources):

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0-29.9</td>
</tr>
<tr>
<td>Sophomore</td>
<td>30-59.9</td>
</tr>
<tr>
<td>Junior</td>
<td>60-89.9</td>
</tr>
<tr>
<td>Senior</td>
<td>90 or more</td>
</tr>
</tbody>
</table>

Incompletes
Incompletes are given only when a student is doing satisfactory work but cannot complete the course for a reason not related to academic performance (i.e., medical, family emergency). The incomplete must be requested by the student together with a presentation of the legitimate reasons that justify the request. Terms for the completion of the course are to be determined by the faculty member and will include the following: specific assignments with criteria for assessment and the due date (no later than the end of the following semester). If no complete grade is received by the due date, a grade of F is recorded on the transcript. Undergraduate students may not graduate from Ithaca College with an incomplete recorded on the academic transcript.

For “incomplete” deadlines for seniors, see the relevant section under “Graduation and Program Regulations.” (http://www.ithaca.edu/catalogs/ug1112/academicinfo/graduation_and_program_regulations/)

Repeating a Course
A student who receives a grade of D+ or less in any course not designated as repeatable may repeat the course only once. Students in a degree program that require the course to be passed with a specified minimum grade higher than D+, are allowed to repeat the course no more than twice in order to meet the minimum grade requirement.

For any course repeated under this policy, credit toward graduation requirements is granted only once, and only the highest grade received in the repeated course is counted in the cumulative GPA. The final grade earned for the repeated course, each time it is taken, will remain on the transcript. The cumulative GPA will not be adjusted under this policy for any courses repeated after a degree has been awarded, or for any course repeated before the fall semester of 2012. Repeating a course may have financial aid implications; financial aid recipients intending to repeat a course should first seek advice from Student Financial Services. This policy applies only to courses taken at Ithaca College.

Grading System
The acceptable grades and corresponding points for GPA calculations are as follows. All grades except P, I, S, W, NGS, and DG are used in calculating GPAs.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00 (excellent)</td>
</tr>
<tr>
<td>A-</td>
<td>3.70</td>
</tr>
<tr>
<td>B+</td>
<td>3.30</td>
</tr>
<tr>
<td>B</td>
<td>3.00 (good)</td>
</tr>
<tr>
<td>B-</td>
<td>2.70</td>
</tr>
<tr>
<td>C+</td>
<td>2.30</td>
</tr>
<tr>
<td>C</td>
<td>2.00 (satisfactory)</td>
</tr>
<tr>
<td>C-</td>
<td>1.70</td>
</tr>
<tr>
<td>D+</td>
<td>1.30</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.70</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
<tr>
<td>P</td>
<td>Not calculated</td>
</tr>
<tr>
<td>I</td>
<td>Not calculated</td>
</tr>
<tr>
<td>S</td>
<td>Not calculated</td>
</tr>
<tr>
<td>W</td>
<td>Not calculated</td>
</tr>
<tr>
<td>NGS</td>
<td>Not calculated</td>
</tr>
<tr>
<td>DG</td>
<td>Not calculated</td>
</tr>
</tbody>
</table>

Satisfactory/D/Fail (S/D/F) Option
The intent of the satisfactory/D/fail (S/D/F) option is to encourage exploration and experimentation in curricular areas in which the student may have had little or no previous experience. Students may rescind the S/D/F election and opt for a regular letter grade until the end of the 10th week of classes.

- Each undergraduate may elect S/D/F grading in no more than four courses in his/her bachelor’s degree program.
• A student may elect only one S/D/F course per semester.

• Any grade for the major or minor must be taken for a letter grade unless the course is offered only on a pass/fail basis. In this context, required courses are those that are specified as such by number and title, or are selected to fulfill a specified number of department credits. Departments may set additional limits but cannot grant exceptions to the above stipulations.

• To exercise the S/D/F option, a student must complete an S/D/F option form. This form must be submitted to the registrar by the end of the third week of classes in the semester in which the S/D/F credit is being taken.

• A student may rescind the S/D/F election and opt for a regular letter grade in a course until the end of the 10th week of classes (the same deadline for withdrawing from a course).

• Any S/D/F election that is rescinded before the end of the 10th week of classes does not count toward the total of four courses.

• Students who are registered for S/D/F and earn a grade below C- will have that grade (D+, D, D-, or F) calculated into their GPA. Grades of S are not calculated into their cumulative GPA.

• Students planning to transfer to another school or department, or to enter a graduate or professional school, are reminded that their admission may be affected by S/D/F coursework.

• The S/D/F option does not apply to pass/fail courses.

Grade Changes
Grades as filed with the Office of the Registrar are final except where an error of judgment has occurred or an error has been made in computation or transcription. Shortly after the close of each semester, currently enrolled students can access their final grade report using the student information system website. Any changes to the report must be arranged no later than two weeks from the date when classes begin in the succeeding semester; hence, each student is advised to review each term report carefully and promptly. Before the registrar can amend any record, the change must have been approved by the faculty member and the dean of the school in which the course is offered.

Policy on Grade Disputes
Grade disputes should be resolved directly between the individual faculty member and the student. If that is not possible, the department chair and/or dean may intervene for purposes of mediation. Failing resolution of the matter at the school level, the student may petition the provost as described under “Students’ Right to Petition.” The final resolution of the dispute will be made by the provost. As a general principle, the authority to change a grade rests with the individual faculty member. Exceptions made by the provost occur only for the most compelling reasons. (http://www.ithaca.edu/catalogs/ug1112/academicinfo/academic_affairs_information/)

Credit from External Sources
Transfer from another institution — A student who transfers to Ithaca College from another accredited college or university may be granted credit for all courses satisfactorily completed with a grade of C- or better, except that transfer students must in all cases meet the same requirements as Ithaca College students in a given program. For example, if a particular course in the major area of study must be passed with a grade of C or better, transfer students will be required to meet that standard. It is the transfer student’s responsibility to request that a transcript be sent to the Ithaca College director of admission directly from the institution. Credits accepted toward an academic program are determined by the student’s academic dean. Credits are transferable; grades are not. All credits are converted into semester credit hours if they are not already so designated.

Occasional study at another institution (semester or summer) — Credit for occasional courses taken at another institution is accepted by Ithaca College under the following conditions:

1. The student has successfully petitioned for preliminary approval of the credit prior to taking the courses.

2. The other institution has regional and/or appropriate professional accreditation (confirmation is needed from the Ithaca College registrar on this point).

3. The courses in question are not among those that must be taken at Ithaca College to fulfill major requirements (refer to specific program listings and consult with adviser for information on this).

4. An appropriate final course grade is earned as set out under “Transfer from Another Institution” above.

The petition for preliminary approval requires the consent of the student’s adviser, the chair(s) of the department(s) to which the credit for a required course relates, and the dean. On completion of the courses, the student must have the official transcript sent to the registrar’s office.

This credit is counted toward graduation requirements, but grades are not counted for the student’s GPA at Ithaca College.

Seniors are reminded that their last 30 credits must be taken at Ithaca College. Thus, students who wish to take at another institution courses that would fall within the last 30 credit hours must petition for a waiver of that requirement and petition for approval of the courses. See the “Senior Credit Requirement” section.
Graduation is contingent on the following:

1. Compliance with the regulations of the New York State Education Department regarding the percentage of credit hours in the liberal arts and sciences that must be completed for each kind of degree conferred:
   - Bachelor of arts — 75 percent liberal arts and sciences credits
   - Bachelor of science — 50 percent liberal arts and sciences credits
   - Bachelor of fine arts — 25 percent liberal arts and sciences credits
   - Bachelor of music — 25 percent liberal arts and sciences credits

2. Satisfactory completion of a minimum of 120 credits, including all required courses, plus a cumulative grade point average (GPA) of 2.00. Program requirements may stipulate more than this minimum; check program listings under the appropriate school.

In general, no more than 6 credits of physical activity, leisure, and safety (PALS) courses, taken as free/open electives, may be counted toward graduation, but some majors allow fewer credits. Check individual program major and school regulations.

3. Registration in a major discipline for at least the semester prior to graduation. If a minor is sought, graduation is contingent on registration for at least the semester prior to graduation.

4. Satisfactory completion of all current New York State requirements for teacher certification, if appropriate. See section below on teacher certification.

5. Completion of the last 30 credit hours at Ithaca College. See “Senior Credit Requirement” below.

6. Satisfactory completion by transfer students of at least 30 credit hours at Ithaca College. Program requirements may stipulate more than this minimum; check program listings under the appropriate school. Ithaca College will post degrees at five graduation dates in each academic year:
   - the last day of the first block for the fall semester (October)
   - the last day of final exams for the fall semester (December)
   - the day of Commencement for the spring semester (May)
   - the last day of the first summer session (June)
   - mid- to late August

Teacher Certification

Students who wish to prepare for a teaching career in elementary or secondary schools must comply with the school and department major or “teaching option” regulations. These are based on the requirements for initial certification in New York State. Students planning to teach in states other than New York should consult with the chair of the Department of Education concerning requirements in those states. All students interested in teacher education programs must check with the appropriate department chair or coordinator for further information. Professional certification in New York State requires a graduate degree that is functionally related to a subject field or grade level and a minimum of three years of full-time elementary and/or secondary teaching experience in the candidate’s area of provisional or initial certification.

Certification is not automatic but is awarded only on completion of an approved teacher education program, achieving passing scores on required teacher education exams, and applying for certification from the appropriate state education department. All students applying for New York State certification are required by the New York State commissioner of education to complete a fingerprint-supported criminal history background check prior to certification. Applications for New York State teacher certification can be submitted through the Office of Teaching and Certification, housed in the Department of Education.

Graduation with a Planned Studies Major

Candidates must satisfactorily complete the specific course of study approved for the planned studies major and file with the registrar, as well as requirements for the degree of bachelor of arts or bachelor of science.
Graduation with a Double Major
Candidates must satisfy all requirements for two major programs that lead to the same kind of degree (that is, two B.A. programs or two B.S. programs, etc.). A double major requires extremely careful planning in order to meet New York State, College, school, and departmental requirements. The Office of the Registrar can advise students on the feasibility of particular combinations. No degree is granted until all requirements for both majors are fulfilled.

Graduation with a Second Baccalaureate Degree
Candidates must complete all course requirements for the second degree and complete at least 30 credits in addition to the credits required for the first degree. Students planning to complete a second baccalaureate degree must first check with the registrar’s office for details on New York State Education Department requirements.

Graduation Honors
Seniors whose cumulative GPA reflects excellent scholarship are awarded their degree cum laude, magna cum laude, or summa cum laude. The cumulative GPA ranges for the three honors designations are listed below. A minimum of 60 credits must be earned at Ithaca College to qualify for this recognition.
- Summa cum Laude: 3.900 and above
- Magna cum Laude: 3.700-3.899
- Cum Laude: 3.500-3.699

“Incomplete” Deadlines for Seniors
Seniors who are planning to count toward their graduation requirements credits for courses in which they have an “incomplete” must observe the appropriate deadline:

<table>
<thead>
<tr>
<th>Graduation Date</th>
<th>“Incomplete” Removal Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>October</td>
<td>October 1</td>
</tr>
<tr>
<td>December</td>
<td>November 1</td>
</tr>
<tr>
<td>May</td>
<td>April 15</td>
</tr>
<tr>
<td>June</td>
<td>May 30</td>
</tr>
<tr>
<td>August</td>
<td>July 15</td>
</tr>
</tbody>
</table>

This deadline in no way invalidates the one-semester rule or faculty-assigned completion dates but is a necessary modification dictated by the need for graduation certification.

Senior Credit Requirement
To maintain the integrity of the academic experience, the senior year must be completed in residence at Ithaca College. To this end, students are required to complete the last 30 credits of their degree program at Ithaca College.

In exceptional circumstances, a student may petition the dean for a special waiver of this requirement, allowing completion of a limited number of these final credits elsewhere. To seek the waiver, the student must complete all steps outlined on the petition form, available in the registrar’s office.

Deadlines for petition to waive the senior credit requirement:
- Waiver to cover summer study: May 1
- Waiver for fall semester: June 15
- Waiver for spring semester: December 15 (for international study: December 1)

Certain programs stipulate that some courses required for the major must be taken at Ithaca College. See school and departmental regulations.

Graduate Record Examination
It is imperative that seniors applying for graduate stipends take the Graduate Record Examination (GRE) early in the senior year. Many graduate institutions require GRE results as part of the application for admission. For information, check with the Office of Career Services.

Application to Graduate
Candidates for graduation must file an application to graduate. The application must be filed online with the registrar by the specific filing deadline for December, May, or September graduation, as shown in the “Academic Calendar” section of this catalog.

Transcripts
A transcript is the official record, compiled by the Office of the Registrar, of a student’s academic career. For each semester, the transcript shows the student’s school and major; courses, credits, and grades; semester and cumulative GPAs; and notice of academic suspension or dismissal, leave of absence, or withdrawal. Transfer credit is also recorded, but without grades.

The completed transcript records the degree and major, minor and/or concentration as appropriate, final graduation GPA, and the date the degree was conferred.
Admission to a Major

1. Students who have not registered for a specific major when they enter the College may be admitted to the exploratory category in the School of Humanities and Sciences or the preprofessional category in the School of Health Sciences and Human Performance (if they have a general interest in professions related to health care, sport, or leisure). These two categories are just for advising purposes; they are not major programs and students may remain in them for a limited time only. More detailed information is available in the sections on the two schools.

2. Admission to a major requires written acceptance by the academic dean and the chair of the department that offers the major. A student is not officially registered in a major until a completed registration for the major is on file with the registrar. Registration for the major must be completed by the end of the semester before the semester of graduation.

3. Students may not transfer from the school or major into which they were admitted until they have completed at least one semester in that school or major. To change majors (and/or schools), students must follow the procedures set out in (2) above. Specific information on application procedures for internal transfers (from one school to another) or for a change of major is published by individual schools and can be obtained from the respective deans.

4. Students who change their major are bound by the regulations that are in effect for the new major the semester they begin studies in that program.

Admission to a Minor or Concentration

A minor is a structured plan of study that comprises a minimum of five courses for at least 15 credits. A minor is outside the specific discipline in which the student is majoring.

A concentration is a structured plan of study that comprises a minimum of five courses for at least 15 credits. A concentration is within a student’s major discipline.

Admission to a minor or a concentration requires written acceptance by the chair of the department that offers the minor or concentration. A student is not officially registered in a minor or concentration until a completed registration form is on file with the registrar.

Registration for the minor or concentration must be completed by the end of the semester preceding the semester of graduation. If that is done and all requirements for the minor or concentration are successfully completed before graduation, the minor or concentration is recorded on the transcript.

Once a student receives a bachelor’s degree from Ithaca College, the student’s degree transcript is a complete record. The student may return to Ithaca College for further study, but courses taken after the completion of a degree are not eligible to be applied to the requirements of a concentration, emphasis, or minor associated with that degree.

All-College Regulations Specifically for a Major or Minor

1. Certain programs stipulate that some courses required for the major must be taken at Ithaca College. In making such a stipulation, the departments concerned are bound by external accrediting agencies; therefore, students should take note that this policy cannot be waived.

2. Prior approval must be obtained before any course required in fulfillment of a major is taken at another institution (e.g., in summer school) for transfer credit. For information on the procedure to be followed, see the “Credit from External Sources” section.

3. Any course required for either a major or minor program must be taken for a letter grade unless the course is offered only on a pass/fail basis. In this context, required courses are those that are specified as such by number and title or are selected to fulfill a specified number of departmental credits.

4. In the Roy H. Park School of Communications, majors must take all communications courses, whether required or elective, and all outside courses required for the major for a letter grade. The only exceptions are specially designated communications courses, which may be offered on a pass/fail basis, and internships, which are offered only pass/fail. Courses a student has taken pass/fail and passed before becoming a major will be accepted.

5. A course that fulfills a requirement for a student’s major and minor programs is counted toward the major. The minor discipline determines whether that requirement is to be waived or how else it must be fulfilled. In this context, a required course is one specified by number and title.

Academic Regulations for a Concentration

See appropriate program listings under the individual schools.
Leaves of Absence, Withdrawals, and Readmissions

Leaves of Absence

Students who wish to leave the College for a semester, after which they intend to return, should take a leave of absence. If a leave of absence is taken while a student is currently enrolled in classes, that semester is considered to be one semester of the leave. A student who leaves campus during a semester without completing the proper forms receives grades of F in all courses except completed block courses.

Besides a regular leave of absence, students can apply for a leave for medical or emergency reasons.

The granting of a leave of absence guarantees readmission to the major in which the student is enrolled when applying for a leave and permits the student to graduate by complying with the degree program requirements in effect when the leave is taken. Students who are requesting a leave of absence other than a medical leave of absence are required to pay the $400 advance registration deposit, which is applied to their semester of return. Without this deposit, the leave of absence will not be approved, resulting in the student’s being administratively withdrawn from the College. Advance deposits are not refunded after June 15 for the fall semester and December 1 for the spring semester.

The date of leave is the date when the student notifies the Division of Student Affairs and Campus Life of an intention to take a leave of absence or the last day of academic activity as determined by the College.

Students taking a leave of absence or withdrawal who are recipients of federal Title IV financial aid should refer to “Refund Procedure” to determine the implications of that leave or withdrawal for the financial aid program. Questions about individual cases should be directed to the Office of Student Financial Services. (http://www.ithaca.edu/catalogs/ug1112/studentaid/federal_programs/)

Students who have on-campus housing when applying for a leave of absence are required to live on campus when they return, unless approved to move off campus.

Regular leave of absence — Typically a standard leave of absence may be granted for one semester to students who wish to interrupt their studies at Ithaca College. A leave of absence is also required for study abroad anywhere except the Ithaca College London Center, the Washington Semester Program, and Ithaca College-affiliated study-abroad programs. Application for a leave of absence is handled through the Division of Student Affairs and Campus Life. An appointment should be made with the coordinator of special services and programs for an exit interview and to complete the proper application form.

If the student is enrolled in classes, taking a leave of absence by the withdrawal deadline date published in the academic calendar results in grades of W (withdrawn) in all courses other than completed block courses. Taking a regular leave of absence after the last date to withdraw as published in the academic calendar results in grades of F in all courses other than completed block courses.

The leave of absence allows the student on leave the opportunity to register in advance for the semester of return.

If a student takes a leave of absence and later is suspended, dismissed, placed on warning for unsatisfactory academic performance, or suspended or expelled as the result of a judicial decision, the sanctions take precedence over a regular leave of absence and stand as a matter of record. Academic warning becomes operative at the time of return to the College.

Students on a leave of absence who decide not to return to Ithaca College should contact the Division of Student Affairs and Campus Life to apply for a regular withdrawal. The advance deposit is nonrefundable. The date of separation for the leave of absence will be used as the date of separation for the withdrawal.

Students who do not return after the specified regular leave of absence period and who do not apply for a regular withdrawal are administratively withdrawn, and the last day of attendance will be considered the date the leave of absence began. Students on a regular or administrative withdrawal are required to reapply in order to return to the College. In such instances, there is no guarantee of readmission.

Medical leave of absence — Students who must leave the College because of medical or psychological conditions that necessitate their extended absence may request a medical leave of absence for up to two semesters. Application forms for medical leaves of absence are available at Hammond Health Center. Applications for medical leave for the current semester must be submitted no later than the last day of classes as published in the academic calendar. Students with significant medical/psychological issues that arise during the final exam period should contact the dean’s office in which their major resides, and may also wish to apply for a medical leave for the following semester. Documentation of the serious nature of the medical/psychological condition must be provided, by a certified medical or mental health professional, to Hammond Health Center in order for the application to be complete. Approval must be given by the Director of Health Services, who may consult with the Director of Counseling and Psychological Services and other relevant professionals and/or campus administrators.

Students who were initially approved for one semester of medical leave may request a second semester by contacting the Health Center. Extending the medical leave beyond
two semesters requires documentation from a certified medical or mental health professional as stated above and requires approval from the Dean of the student's School.

When a medical leave of absence is granted, the course grade in all courses for which the student is registered will become a W (withdraw) other than completed block courses. Students taking a medical leave of absence or withdrawal who are recipients of federal Title IV financial aid should refer to “Refund Procedure” to determine the implications of that medical leave for the financial aid program. Questions about individual cases should be directed to the Office of Student Financial Services.

Students must move out of on-campus housing and will have their College ID card invalidated within seven days of approval of the medical leave of absence. Students are not eligible to participate in student employment effective the date of approval of the medical leave of absence and for the duration of their medical leave. Students who have on-campus housing when applying for a medical leave of absence are required to live on campus when they return, unless approved to move off campus. A student will not be able to register for classes or select on-campus housing until the student has been approved to return from a medical leave of absence. If the medical leave is approved after a student has registered for classes or for on campus housing for the subsequent semester, those class registrations and/or housing assignments will also be cancelled.

Students who want to return from a medical leave of absence must contact Hammond Health Center to request an application to return. Before the application can be considered, supporting documentation from a treating medical or mental health professional must be submitted to the Health Center. This documentation must indicate that the medical and/or psychological condition has been addressed, that the student is able to function safely as a member of the College community, and that the student is capable of resuming study at the College. Furthermore, this documentation should provide the nature and duration of treatment, and any recommendations for ongoing care once the student has returned to campus. Approval to return must be given by the Director of Health Services, who may consult with the Director of Counseling and Psychological Services and other relevant professionals and/or campus administrators.

If a student does not return after the medical leave of absence and does not extend it, he or she will be administratively withdrawn from the College and must go through a medical and academic readmission process in order to return. In such instances, there is no guarantee of readmission or reinstated institutional financial aid.

Emergency leave of absence — Students who must leave the College on urgent personal grounds that necessitate their absence for a semester, such as death or a serious illness in the immediate family, may request an emergency leave of absence. Documentation of the serious nature of the emergency must be provided. Applications for emergency leave of absence are available at the Division of Student Affairs and Campus Life. Students requesting an emergency leave of absence are not required to pay the $400 advance registration deposit for their semester of return.

When an emergency leave of absence is granted during the course of the semester, the course grade is normally a W (withdrawn) in all courses other than completed block courses unless the student initiates and receives appropriate approval for incompletes (I). Students have a maximum of one semester after their return to remove a grade of I.

Students on an emergency leave of absence who decide not to return to Ithaca College should contact the Division of Student Affairs and Campus Life to apply for a regular withdrawal. The date of separation for the leave of absence will be used as the date of separation for the withdrawal.

Students who do not return after the emergency leave of absence and do not extend it or apply for a regular withdrawal are administratively withdrawn from the College. In such instances, the withdrawal date will be considered the date the leave of absence began. Students on a regular or administrative withdrawal must go through the readmission process in order to return. In such instances, there is no guarantee of readmission.

Continuation Leave

Recent changes in federal policy regarding approved leaves of absence require the College to report students who do not return to active enrolled status as withdrawn from the institution. However, students who wish to keep their records active pending their return to the College after an absence of more than one semester may do so by applying for continuation leave. Application for continuation leave, must be received by the College before the conclusion of the student’s approved regular leave. The advance registration deposit of $400 remains creditable toward tuition in the semester the student returns to active status. Students who have not paid the advance deposit will be administratively withdrawn from the institution, after which their return will become contingent on reapplication and approval for readmission. Students who are administratively withdrawn will have their withdrawal date set to the beginning of their original leave date or their last date of academic activity as determined by the College.

Students on continuation leave must be reported as withdrawn for federal aid eligibility and repayment purposes. The determination of the date of withdrawal will be in accordance with procedures outlined below. Students on continuation leave may be required to begin repayment of their student loans during their leave if the federal period of deferral has expired.
Withdrawals

Students who wish to leave the College and do not wish to return should withdraw officially from the College. There are three types of withdrawals: regular, medical, and administrative. A student who leaves campus during a semester without completing the proper forms will receive grades of F in all courses other than completed block courses. Advance registration deposits are not refunded after June 15 for the fall semester and December 1 for the spring semester.

Students who were living on campus before their withdrawal will be required to live on campus after readmittance, unless approved to move off campus.

Regular withdrawal — Students who wish to leave the College and do not wish to return should withdraw officially from the College. Applications for withdrawal are handled through the Division of Student Affairs and Campus Life. The student should make an appointment with the coordinator for special services and programs for an exit interview and completion of the proper application form.

Official withdrawal by the last date to withdraw as published in the academic calendar results in grades of W in all courses other than completed block courses; official withdrawal after the date published in the academic calendar results in grades of F in all courses other than completed block courses.

The date of withdrawal is the date when the student notifies the Division of Student Affairs and Campus Life of an intention to withdraw or the last day of academic activity as determined by the College. A student who has initiated but not yet completed the withdrawal process and wishes to rescind the withdrawal must notify the Division of Student Affairs and Campus Life in writing of his or her intention to continue study at the College.

If a student plans to withdraw and is later suspended, dismissed, placed on warning for unsatisfactory academic performance, or suspended or expelled as the result of a judicial decision, the sanctions take precedence over a regular withdrawal and stand as a matter of record.

Academic warning becomes operative in the event that the student is readmitted to the College.

Students who wish to return to the College after a withdrawal must follow the procedures for reapplication listed below. Readmission to the College is not guaranteed; a student who is granted readmission to the College after a withdrawal may not be granted readmission to the major in which he or she was enrolled at the time of withdrawal. All students who are readmitted after a withdrawal must comply with the degree program requirements in effect at the time of readmittance.

Medical withdrawal — Students who must leave the College on medical or psychological grounds and who do not wish to return to the College should arrange for a medical withdrawal. Medical withdrawals are granted only after appropriate documentation is provided to the director of health services, who will also consult with the director of the counseling center if it is a psychological condition. Final approval is granted by the director of health services and the Division of Student Affairs and Campus Life.

Medical withdrawal applications are available at the health center.

Applications for medical withdrawal submitted after the last date to withdraw as published in the academic calendar are rarely approved. In such circumstances, additional documentation and information may be required, and the decision will involve input from the dean and provost, as well as the vice president for student affairs and campus life.

The date of withdrawal is the date when the student notifies the Division of Student Affairs and Campus Life of an intention to withdraw or the last day of academic activity as determined by the College. A student who has initiated but not yet completed the medical withdrawal process and wishes to rescind the withdrawal must notify the Division of Student Affairs and Campus Life in writing of his or her intention to continue study at the College.

A medical withdrawal taken during a semester normally results in grades of W in all courses other than completed block courses.

Students who wish to return to the College after a medical withdrawal must follow the procedures for readmission below. In addition to regular readmission procedures, a request for readmission following medical withdrawal must be evaluated and approved by the director of health services (in consultation with the counseling center if the reason for withdrawal was a psychological condition). This includes review of documentation that the medical condition has been remedied and that the student is approved by the director of health services to resume study at the College.

A student who is granted readmission to the College may not be granted readmission to the major in which he or she was enrolled at the time of medical withdrawal. All
students who are readmitted after a medical withdrawal must comply with the degree program requirements in effect at the time of readmittance.

Administrative withdrawal — Students are administratively withdrawn by the College if (1) they have not paid the advance registration deposit by July 1; (2) they have not registered for classes by the end of the add/drop period of any semester; (3) they have not returned to the College when the approved period of leave of absence has expired and have not applied for a continuation leave or regular withdrawal; or (4) they have not returned at the time specified after academic or disciplinary suspension, and the period of suspension has not been extended.

The date of withdrawal for students who are administratively withdrawn is the last date of academic activity as determined by the College.

Students who have been administratively withdrawn from the College must follow the procedures for readmission listed below. Readmission to the College is not guaranteed. A student who is granted readmission to the College may not be granted readmission to the major in which he or she was enrolled at the time of administrative withdrawal. All students who are readmitted after an administrative withdrawal must comply with the degree program requirements in effect at the time of readmittance.

Procedure for Return or Readmission to College

Students who wish to return to the College after regular withdrawal, administrative withdrawal, or academic or disciplinary suspension must apply through the Office of the Registrar by July 1 for return in the fall semester or December 1 for return in the spring semester. Application forms can be obtained from the Office of the Registrar. Students who wish to return after medical withdrawal must also apply for readmission through the health center.

Students who wish to return from a medical leave of absence need only to apply for readmission through the health center.

Students are required to submit the application form by the above deadlines. All supporting evidence (including official transcripts from all colleges attended since leaving Ithaca College) must be submitted so that it can be reviewed in a timely manner. In cases of medical leave of absence or medical withdrawal, documentation substantiating readiness to return to College is required.

Involuntary Leave of Absence Policy

This policy is meant to be invoked only in extraordinary circumstances, when a student is unable or unwilling to request a voluntary leave of absence or a voluntary medical leave of absence and when such a leave may be necessary to protect the safety of that student and/or others, or the integrity of the College’s learning environment. This would include such situations as unresolved, ongoing, or serious suicidal threats; self-starvation of a life-threatening nature; or serious threats of harm to others. Before an involuntary leave is considered, efforts will be made to encourage the student to take a voluntary leave, thus preserving, to the extent possible, confidentiality and privacy.

The policy and procedures for an involuntary leave of absence do not take the place of disciplinary actions that are in response to violations of the Student Conduct Code, nor do they preclude the removal or dismissal of students from the College as a result of such violations.

Placing a Student on Involuntary Leave of Absence

The vice president for student affairs and campus life, or designee, may be alerted to a student’s threatening behavior from a variety of sources on campus (residential life, public safety, health center, a faculty or staff member, the student’s adviser, etc.). If the vice president deems it appropriate, these procedures will be initiated.

1. The vice president for student affairs and campus life, or designee, will notify the student that an involuntary leave is under consideration.

2. The vice president for student affairs and campus life, or designee, will discuss with the student the implications of and procedures relating to an involuntary leave of absence. A copy of this policy will be provided to the student. Whenever possible and appropriate, the vice president for student affairs and campus life, or designee, will encourage the student to take a voluntary leave of absence or a voluntary medical leave of absence, thereby eliminating the need to complete the process for an involuntary leave.

3. The vice president for student affairs and campus life, or designee, will confer as feasible and appropriate with the following individuals or their designees regarding the need for an involuntary leave of absence:
   - dean or associate dean of the student’s school
   - associate vice president for student affairs and campus life
   - director of health services
   - director of counseling center
   - director of residential life and judicial affairs (for on-campus students)
   - director of public safety

4. During these consultations, these individuals will pay particular attention to the criteria for invoking an involuntary leave, especially whether the student engages in, or is judged likely to engage in, behavior that poses a danger of causing harm to him/herself or others, or that disrupts the learning environment.
5. The vice president for student affairs and campus life, or designee, may require a student to undergo a psychological and/or physical evaluation if she/he believes it will facilitate a more informed decision. The student’s refusal or failure to undergo such evaluation will not affect the College’s right to invoke and apply this policy. In this event, a final decision will be made without benefit of this information.

6. Following these consultations, the vice president for student affairs and campus life, or designee, will make a final decision regarding the involuntary leave of absence and must provide written notice of this decision to the student.

If an involuntary leave is imposed, the vice president for student affairs and campus life, or designee, will inform the student of the decision, as well as the specific requirements for reenrollment. If an involuntary leave is not imposed, the vice president for student affairs and campus life, or designee, may impose other conditions and/or requirements under which the student is allowed to remain at the College.

Implications of an Involuntary Leave of Absence

**Leave in effect**
Until the student complies with the specific requirements for reenrollment outlined by the vice president for student affairs and campus life, or designee

**Duration of leave**
Typically, no fewer than two semesters, although the specific length of leave will be determined on a case-by-case basis

**Student must leave campus**
Within the time period set forth by the vice president for student affairs and campus life, or designee

**Student may visit campus**
Only as authorized in writing by the vice president for student affairs and campus life, or designee, for the duration of the leave

**Notification**
The vice president for student affairs and campus life, or designee, reserves the right to notify a parent, guardian, or other person, if notification is deemed appropriate. In addition, the parent, guardian, or other person may be asked to make arrangements for the safe removal of the student from the College environment.

**Transcript notation**
“Withdrawn”

Financial Obligations

A student on an involuntary leave of absence may still have certain financial obligations. For more information, refer to “Explanation of Charges.” (http://www.ithaca.edu/catalogs/ug1112/studentinfo/expenses/)

Request for Reenrollment

A formal request for reenrollment after an involuntary leave of absence must be submitted to the vice president for student affairs and campus life, with a copy sent to the dean of the student’s school. The student’s reenrollment request will be reviewed by the vice president for student affairs and campus life, or designee, who, with the dean of the student’s school, must approve the reenrollment.

When a medical or psychological condition forms the basis of the involuntary leave, the student will be notified in writing of the required procedures for reenrollment. In this circumstance the vice president for student affairs and campus life, or designee, may consult with the director of health services and/or the director of the counseling center in deciding whether to approve the student’s request to reenroll.

Responsibilities

The major responsibilities each party or designee has in connection with an involuntary leave of absence are as follows:

**Student**
Abide by the decision made by the vice president for student affairs and campus life, or designee, to take an involuntary student leave of absence. Submit a formal request for reenrollment to the College after an involuntary student leave of absence, if the student wishes to reenroll.

**Dean of student’s school**
With the vice president for student affairs and campus life, or designee, approve or deny requested reenrollment of a student.

**Director, health services, and director, counseling and wellness**
Communicate with the vice president for student affairs and campus life, or designee, if there is a reason to believe that the student’s health or safety or another student’s safety is at high risk, and that an involuntary leave of absence might be appropriate. When requested, consult with and advise the vice president for student affairs and campus life, or designee, concerning the student’s need for involuntary leave and readiness for reenrollment, as permitted by the legal and ethical requirements for medical/psychological privacy.
Vice president for student affairs and campus life

Consult with designated administrators to formulate a plan for and provisions of a student’s involuntary leave of absence. Communicate to the student the outcome of the proceedings and the terms of the involuntary leave of absence. With the dean of the student’s school, approve or deny requested reenrollment of a student.

Registration and Course Information

In addition to the courses listed in this catalog, others may be offered on an experimental basis. Details are published in the Undergraduate Course Offerings and the Humanities and Sciences Supplement for the semester they are given.

Advance Registration

Enrolled students must register in advance for courses they wish to take the following semester. To be eligible to register in advance for the fall semester, students are required to pay an advance deposit of $400 by March 15. Admission to a course depends on the availability of seats when the student registers; therefore, failure to participate in the advance registration process jeopardizes the student’s chance of obtaining desired courses.

Proof of high school graduation or the equivalent is required of all incoming students before online course registration for the students' second semester. A hold that prevents students from registering for their second semester classes will be placed on their records until proof of high school graduation or the equivalent is received by the college. Please refer to the policy on "Applicants for Admission at Ithaca College (p. 302)".

The College reserves the right to refuse registration or to dismiss after registration any student whose presence would, in the judgment of College officials, be detrimental to the College’s interests.

Class schedules at the time of registration are as accurate as possible, but the College reserves the right to cancel courses or alter schedules as needs dictate. It is the student’s responsibility to verify the accuracy of his or her course schedule prior to the end of the add/drop period.

Permission of Instructor

When “permission of instructor” is listed as a prerequisite in a course description, it indicates that admission to the course is based on an assessment by the instructor of the student’s academic preparation for the course. Students must obtain the instructor’s permission before registering for the course.

For all other courses, students who believe they have preparation equivalent to the listed prerequisites may seek the instructor’s permission to be admitted. This permission should be obtained prior to registering for the course.

Health Certification

Before the first day of classes, every new student (freshman, transfer, or returning adult) is required to complete and submit health certification information to the College health service. This information includes the New York State immunization requirements and a health history form. Entrance medical requirements are submitted electronically to the Hammond Health Center via a secure web portal that is linked from the health center’s web page. Students who do not comply with this requirement will not be allowed to remain on campus and their course registrations will be canceled. In the event that a student does not receive directions for submitting this information, he or she may contact the College health center for assistance, or visit the Health Certifications web page (see link below) for instructions. Hepatitis-B immunization is recommended and may be required for students in athletic training, occupational therapy, and physical therapy before clinical fieldwork/affiliations.

(https://www.ithaca.edu/sacl/healthcenter/)

Late Registration

Students have until the end of the add/drop period to pay in full their bill and a $75 late payment fee and to complete their registration for all courses. No student will be allowed to register after the end of the add/drop period.

Semester Course Load

Full-time status requires that a student enroll for a minimum of 12 credits in a semester. A student may enroll for as many as 18 credits each semester without being charged extra tuition. To enroll for more than 18 credits, students must have written approval from their dean. Billing for the additional tuition will occur at the end of the add/drop period.

Part-time status for degree candidates requires written approval from the student’s dean (see “Period for Add/Drop” (p. 296) for billing information). Part-time students who are not degree candidates should contact the Office of Extended Studies for registration information.

Block Courses

Courses that meet for only half a semester are called block courses. Block I courses meet for the first seven weeks of a semester. Block II courses meet for the final seven weeks of a semester. The add/drop period for a block course extends for only the first week of the block. Final examinations in block courses are normally given during
the last class meeting, not during the final examination period for the semester.

Placement Tests
All entering students are requested to take a series of tests that are used for placement and guidance purposes. These tests may include a writing sample, a reading comprehension test, or a language placement test. A mathematics placement examination is required of all freshmen and transfer students. All students entering the School of Music must also take placement tests in music theory and keyboard musicianship.
(http://www.ithaca.edu/catalogs/ug1213/hs/mathematics/)

Course Levels
The letter prefix indicates the department or discipline that offers the course. The first digit of the five-digit group after the prefix indicates the course level:

- Level-1 and level-2 courses are generally appropriate for freshmen and sophomores.
- Level-3 and level-4 courses are generally appropriate for juniors and seniors.

Most courses except those at level 1 have prerequisites.

Level-5 courses are graduate courses. Seniors may be permitted to take a level-5 course if they
- have successfully completed 90 or more credits in an undergraduate program;
- have a cumulative grade point average of 3.00 or higher;
- have the approval of the course instructor, undergraduate adviser, graduate adviser, graduate chair, dean of the particular school, and the dean of graduate studies. The petition form for seniors to take graduate-level courses is available in the graduate studies office.

Level-5 courses may be taken for either undergraduate or graduate credit. If taken for undergraduate credit, the courses are not applied to the master’s degree. If taken for graduate credit, the courses are not applied to the bachelor’s degree.

Independent Studies, Internships, and Tutorials
In addition to regular classroom or laboratory instruction, more specialized or individual kinds of study are offered in the form of independent studies, internships, or tutorials. The maximum number of credits earned through internship may not exceed 12, whether attained in a full-semester program or in smaller units during different semesters. Students who wish to enroll for this kind of credit should consult the appropriate school guidelines (available through their dean’s office). Also, they should check the academic program information of the school in which the credit would be awarded to see whether there are any specific guidelines mandated by the school. Transfer credit is not accepted for these experiences.

Period for Add/Drop
The add/drop regulations also apply to changing instructors or the number of credits for which a student is enrolled in a variable credit course.

Students may add or drop a semester course within seven calendar days (plus Labor Day) from the start of the semester. No add/drop will be accepted after that date.

At the end of the add/drop period, bills of full-time students who enroll for more than 18 hours will be adjusted for the hours actually enrolled. Although a student may withdraw after this point (a grade of W will show on the transcript), no refund will be given for a reduction in the number of credit hours. If an audit later in the semester indicates that the student’s enrollment exceeds the number of credits for which the student has been billed, a supplemental bill will be issued to cover the deficiency.

Students who change from full-time to part-time status must do so by the end of the add/drop period in order to receive a refund. An application form for part-time study is available in the Office of the Registrar. No refunds are made to part-time students after the end of the add/drop period.

Students who change from full-time to part-time status may forfeit their right to on-campus housing and financial aid.

Although faculty members have the option of dropping students from class for nonattendance (see below), it is the student’s responsibility to drop a course that he or she does not plan to attend.

When a student withdraws or is withdrawn from a course, a grade of W will show on the student’s transcript.

Faculty Right to Remove Students from a Course
Students must follow the usual add/drop/withdrawal procedures; however, faculty members have the right to remove a student from a course in accordance with official College policy, as follows:

1. An instructor can drop any student on his/her roster if s/he does not attend the first class meeting of the semester and fails to notify the instructor in advance that s/he cannot attend the class; and/or

2. for nonattendance after the first full week of classes (or after the first class meeting of a physical activity, leisure, and safety [PALS] course) if the student has made no contact with the faculty member; and/or

3. any time a student violates the written rules for remaining in good standing in the course.
See the “Attendance Policy” section (p. 297) for information on absences due to religious beliefs.

Faculty action to remove a student from a course is not automatic and will be undertaken at the discretion of the faculty member. During the first week of class, students may be removed from the course. In weeks 2-10, a grade of W will be recorded. Students should not rely on faculty members to remove or withdraw them from courses.

Withdrawal from a Course

Students may withdraw from a course after the add/drop period and before the beginning of the last third of the course. Thus, for a block course, a student may withdraw during weeks 2-5 and for a semester course during weeks 2-10.

When a completed withdrawal form has been submitted to the Office of the Registrar, a grade of W is entered on the student’s transcript. A student must file a fully completed withdrawal form in the Office of the Registrar no later than the last day of the withdrawal period.

The deadline dates for withdrawal are indicated on the academic calendar for each semester. Withdrawal after the deadline date will be recorded as an F on the student’s transcript.

Students who cease attending a course without having officially dropped or withdrawn from it are required to pay the course tuition. Withdrawal from a course does not result in a waiver of the tuition due for that course.

Audit Policy

There are two ways for Ithaca College degree-seeking students to audit courses at Ithaca College:

1. To audit the course for personal interest or for review of certain segments of the course material (no record on transcript), the student must obtain the instructor’s permission to attend the class.

2. To have the audited course appear on the academic transcript with the notation “AU,” the student must:
   • obtain permission of the instructor;
   • pay tuition at the rate of 10 percent of the current per credit tuition charge (except when tuition is waived because the student is paying full-time tuition) plus any additional special fee that may be required;
   • follow the instructor’s requirements for auditors, including rules in regard to attendance.

Students may not change their registration enrollment from audit to a letter grade. All audits are dependent on space availability. No tuition-paying student will be deprived of a place in a course as a result of a place being provided to an auditor.

Audits are not counted as credit toward graduation or calculated in GPA. Auditing is not permitted during summer sessions.

Extramural (nondegree-seeking) students may audit courses at Ithaca College. However, to have the audited course listed on the transcript (as “AU”), the extramural student must register through the Office of Extended Studies during the first week of summer sessions. The audit fee is 10 percent of the current per credit tuition charge.

Attendance Policy

Students at Ithaca College are expected to attend all classes, and they are responsible for work missed during any absence from class. At the beginning of each semester, instructors must provide the students in their courses with written guidelines regarding possible grading penalties for failure to attend class. Students should notify their instructors as soon as possible of any anticipated absences. Written documentation that indicates the reason for being absent may be required. These guidelines may vary from course to course but are subject to the following restrictions:

- In accordance with New York State law, students who miss class due to their religious beliefs shall be excused from class or examinations on that day. The faculty member is responsible for providing the student with an equivalent opportunity to make up any examination, study, or work requirement that the student may have missed. It is suggested that students notify their course instructors at least one week before any anticipated absence so that proper arrangements may be made to make up any missed work or examination. Any such work is to be completed within a reasonable time frame, as determined by the faculty member.

- Any student who misses class due to a verifiable family or individual health emergency, or to a required appearance in a court of law, shall be excused. Students should communicate directly with the faculty member when they need to miss a class for health or family emergencies, for court appearances, etc. Faculty members who require documentation of student absences should communicate directly with their students. On-campus residents who will be away from campus for an extended period of time should notify the Office of Residential Life of their absence from campus by e-mailing housing@ithaca.edu and including their building and room number in that message. Students may need to consider a leave of absence, medical leave of absence, selected course withdrawals, and so on, if they have missed a significant portion of classwork.

A student may be excused for participation in College-authorized cocurricular and extracurricular activities if, in the instructor’s judgment, this does not impair the specific
student’s or the other students’ ability to succeed in the course.

For all absences except those due to religious beliefs, the course instructor has the right to determine if the number of absences has been excessive in view of the nature of the class that was missed and the stated attendance policy. Depending on the individual situation, this can result in the student’s being removed from or failing the course.

Course Examinations

Midterm — It is College policy that by the midpoint of each semester all students be evaluated in each course in which they have enrolled. The method of evaluation is to be determined by each faculty member. This assessment is reflected in a midterm grade submitted to the Office of the Registrar in accordance with the schedule published by that office. The only exception to this policy is in those block courses that conclude in half a semester.

Deans and directors deal with this policy as it relates to the individual faculty members and courses within their school.

End of semester — A final examination or its equivalent must be given in each course. All final examinations, whether cumulative or unit, or their equivalent, must be given at the time scheduled by the Office of the Registrar during final examination week. There are to be no final examinations or their equivalent given during the last week of classes each semester. Any exceptions to this policy must be approved in advance by the dean of the academic unit in which the course is being offered.

Note: Faculty requests for exceptions to this policy must be received by the appropriate dean no later than November 1 and April 1 for the fall and spring semesters, respectively.

Students who find themselves required by the schedule to take three examinations in one day may choose to take the middle examination at another time. Students who wish to do this must inform the appropriate instructor as soon as possible, but no later than the last scheduled class, so that a mutually acceptable alternative time may be arranged. If such an arrangement cannot be worked out, the student should contact the dean’s office of the school in which the course is offered.

Student activities are not usually scheduled during final examination dates. Any unusual circumstances of this nature will be dealt with on an individual basis.
Admission

Admission to Ithaca College is selective. Applicants are carefully considered on the basis of individual qualifications, both academic and nonacademic. No decision to deny admission will be based on age, disability, marital status, national origin, race, color, religion, sex, sexual orientation, gender identity or expression, or military status.

Most students have followed traditional college preparation programs in secondary school; however, applicants from nontraditional schools are encouraged to apply.

Ithaca College accepts only the Common Application, which allows students to apply to multiple schools at once. Students should submit this application online, along with the $60 application fee, and the required Ithaca College supplement available on the Common Application site. (https://www.commonapp.org/CommonApp/default.aspx)

Applicants are also required to submit official transcripts of all their secondary school and college-level coursework, and letters of reference. Auditions, portfolio reviews, or department interviews are also required in certain programs.

Students applying for admission have the option to submit SAT or ACT scores as part of their admission file. Students who send scores should have them sent directly from the appropriate testing agency.

Please note that home schooled students and students who attend high schools that provide only descriptive report cards (rather than alphanumeric grades) must submit SAT or ACT scores.

Students interested in admission to Ithaca College are encouraged to register for an account at my.ithaca.edu. The myIthaca portal provides in-depth information about the College and allows students to check application status and register for campus events. Details of our admission process, including transfer admission, advanced placement, and special requirements for specific programs, are provided on our website and are available from the Office of Admission.

Prospective students and families are encouraged to visit Ithaca College. Campus tours, group information sessions, and individual appointments are conducted on most weekdays and selected Saturdays while the College is in session. Information sessions and tours are also available throughout the summer. Visitors are asked to contact the Office of Admission for assistance with their plans prior to their visit. Tours depart from the admission office.

Visit Ithaca

A special orientation program is held for new students. As academic advising and registration are an integral part of this program, it is essential that all new students attend. Details of dates, costs that may be involved, and the program itself are provided to new students by the Office of Student Engagement and Multicultural Affairs.

First-Year Experience and Orientation

Early Decision

The Office of Admission encourages qualified candidates who have selected Ithaca College as their first choice to apply under the early decision program. Applications must be filed by November 1, with all supporting materials in place by November 15. Music and theater candidates must audition or interview on the first available date.

Early decision applicants will be notified of the admission committee’s decision by December 15. Early decision is a first-choice, binding agreement, and those offered admission will be expected to submit an enrollment confirmation and nonrefundable advance payment by February 1. Students offered early decision admission agree to withdraw applications submitted to other colleges or universities.

Early Action

Ithaca College offers a nonbinding Early Action option for students who complete their application to Ithaca College by December 1 and select Early Action on their Common Application. Early Action applicants will be notified of an admission decision by February 1. It is important to note that due to the timing of the audition and interview process, Early Action is not offered to applicants in Music or Theatre.

Regular Decision

Freshman and transfer candidates may apply for regular admission for the fall or spring semester. Prospective freshmen should apply in their senior year of secondary school, no later than February 1 for the fall semester and no later than November 1 for the spring semester. Transfer applicants should submit their application early in the semester prior to entry, and no later than March 1 for fall admission or November 1 for spring admission.

English Language Testing Requirements
Applicants whose native language is not English are required to submit official results of a test of English proficiency. The Test of English as a Foreign Language (TOEFL) is the most frequently submitted. However, applicants may also submit test results from the International English Language Testing System (IELTS). Our recommended scores are 213 or higher on the TOEFL computer version, 80 or higher on the Internet-based version (iBT), and 6.0 or higher on the IELTS. Applicants who have previously attended a high school, college or university for at least two years, where English is the principal language of instruction and have earned passing grades in English courses may be exempt from an English proficiency exam.

TOEFL
IELTS

FILING DATES FOR 2013-14
Admission Application Filing Dates for Fall 2013

- Early decision applications must be received by November 1, 2012.
- Early decision notification will be released by December 15, 2012.
- Early decision enrollment deposit is due by February 1, 2013.
- Early action applications must be received and complete by December 1, 2012.
- Early action notification will be released by February 1, 2013.
- Regular decision applications must be received by February 1, 2013, for freshmen and by March 1 for transfers.
- Regular decision notification will be released on a rolling basis by April 15, 2013.
- Regular decision enrollment deposits are due by May 1, 2013.
- Spring semester applications should be received by November 1, 2012.

Financial Aid Application Filing Dates for Fall 2013

Early Decision admission applicants seeking notification of their financial aid eligibility should file the College Scholarship Service (CSS) Profile application by February 1, 2013.

For more information and/or deadline dates, please refer to our financial aid website.

Financial Aid Website

All candidates seeking federal aid must file the official FAFSA form with the U.S. Department of Education before the end of the period for which aid is sought.

Advanced Placement Policy

These policies (see the table of advanced placement equivalents) are in effect for students entering Ithaca College in the 2012-2013 academic year. They are subject to change at any time.

For additional information about Ithaca College’s advanced placement policies, contact the Office of the Registrar, Peggy Ryan Williams Center, phone 607-274-3127. Ithaca College’s ETS school code is 2325. Scores must be sent directly to the Office of the Registrar, Peggy Ryan Williams Center, Ithaca, NY 14850-7013, before credit is granted.

Advanced Placement (AP) Equivalents

In all schools, scores of 1 or 2 (and in some cases 3) will not be awarded credit. Scores of 3, 4, and 5 are awarded credit as indicated below.

<table>
<thead>
<tr>
<th>AP Exam</th>
<th>Score</th>
<th>IC Course Equivalent</th>
<th>Credit</th>
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<tbody>
<tr>
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<td>3</td>
<td>ART 18888 art elective</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>4, 5</td>
<td>ART 12000 Two-Dimensional Design</td>
<td>3</td>
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<td>ART 18888 art elective</td>
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<tr>
<td>Studio Art — 3D Portfolio</td>
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<td>ART 18888 art elective</td>
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<td>Episodes in Western Art</td>
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<tr>
<td>English Language</td>
<td>ENGL 18888 English elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

(Advanced placement credit is granted for only one English exam.)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>ENVS 11000</td>
<td>Environmental Science</td>
<td>3</td>
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<tr>
<td>Biology</td>
<td>FREN 20100</td>
<td>Intermediate French I</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>FREN 20200</td>
<td>Intermediate French II</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>FREN 38888 French elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td>GERM 20100</td>
<td>Intermediate German I</td>
<td>3</td>
</tr>
<tr>
<td>Chinese</td>
<td>GERM 20200</td>
<td>Intermediate German II</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>GERM 38888 German elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English Language</td>
<td>POLT 18888 politics elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>German Language</td>
<td>POLT 18888 politics elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Government and Politics: U.S.</td>
<td>POLT 10100 U.S. Politics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Government and Politics: U.S.</td>
<td>HIST 10200 Modern Western Civilization (but not HIST 10100)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Government and Politics: U.S.</td>
<td>HIST 18888 history elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Government and Politics: U.S.</td>
<td>U.S. History</td>
<td>4, 5</td>
<td></td>
</tr>
<tr>
<td>Government and Politics: U.S.</td>
<td>HIST 11100 U.S. History to 1865</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Government and Politics: U.S.</td>
<td>HIST 11200 U.S. History since 1865</td>
<td>3</td>
<td></td>
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<tr>
<td>Government and Politics: U.S.</td>
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<td>3</td>
<td></td>
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<tr>
<td>Government and Politics: U.S.</td>
<td>HIST 18200 World Civilization II</td>
<td>3</td>
<td></td>
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<tr>
<td>European History</td>
<td>HIST 10200 Modern Western Civilization (but not HIST 10100)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>European History</td>
<td>HIST 18888 history elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>European History</td>
<td>U.S. History</td>
<td>4, 5</td>
<td></td>
</tr>
<tr>
<td>European History</td>
<td>HIST 11100 U.S. History to 1865</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>European History</td>
<td>HIST 11200 U.S. History since 1865</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>European History</td>
<td>HIST 18100 World Civilization I</td>
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<td>European History</td>
<td>HIST 18200 World Civilization II</td>
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<td></td>
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<tr>
<td>European History</td>
<td>HIST 10200 Modern Western Civilization (but not HIST 10100)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>European History</td>
<td>HIST 18888 history elective</td>
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<td></td>
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<tr>
<td>European History</td>
<td>U.S. History</td>
<td>4, 5</td>
<td></td>
</tr>
<tr>
<td>European History</td>
<td>HIST 11100 U.S. History to 1865</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>European History</td>
<td>HIST 11200 U.S. History since 1865</td>
<td>3</td>
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</tr>
<tr>
<td>Course Area</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>---------------------------------</td>
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<td>---------</td>
</tr>
<tr>
<td>Italian Language</td>
<td>ITAL 20100</td>
<td>Intermediate Italian I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITAL 20200</td>
<td>Intermediate Italian II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITAL 38888</td>
<td>Italian elective</td>
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</tr>
<tr>
<td>Japanese Language and Culture</td>
<td>TRAN 38888</td>
<td>General elective</td>
<td>6</td>
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<tr>
<td>Latin Literature* or Latin Virgil</td>
<td>LATN 10100</td>
<td>Elementary Latin I</td>
<td>3</td>
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<tr>
<td></td>
<td>LATN 10200</td>
<td>Elementary Latin II (Advanced placement</td>
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<tr>
<td></td>
<td></td>
<td>credit is granted for only one Latin exam.)</td>
<td></td>
</tr>
<tr>
<td>Math/Calculus AB</td>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>Math/Calculus BC</td>
<td>MATH 11100</td>
<td>Calculus I</td>
<td>4</td>
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<td></td>
<td>Math 11200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Advanced placement</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>credit is granted for</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>only one Latin exam.)</td>
<td></td>
</tr>
<tr>
<td>Music Theory</td>
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<td>Physics B</td>
<td>PHYS 18888</td>
<td>Physics elective</td>
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<tr>
<td></td>
<td>PHYS 10100</td>
<td>Introduction to Physics I</td>
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<td></td>
<td>PHYS 10200</td>
<td>Introduction to Physics II</td>
<td>4</td>
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<td>Physics C</td>
<td>PHYS 18888</td>
<td>Physics elective</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PHYS 11700</td>
<td>Principles of Physics I: Mechanics</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PHYS 11800</td>
<td>Principles of Physics II: Electricity and</td>
<td>4</td>
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<tr>
<td></td>
<td></td>
<td>Magnetism</td>
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<tr>
<td>Psychology</td>
<td>PSYC 10300</td>
<td>General Psychology</td>
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<tr>
<td>Spanish Language</td>
<td>SPAN 20100</td>
<td>Intermediate Spanish I</td>
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<td>Spanish Literature</td>
<td>SPAN 20200</td>
<td>Intermediate Spanish II</td>
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<td></td>
<td>SPAN 38888</td>
<td>Spanish elective</td>
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</tr>
<tr>
<td></td>
<td>SPAN 32200</td>
<td>Analysis of Hispanic Literary Texts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 14400</td>
<td>Statistics for Business, Economics, and</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Management</td>
<td></td>
</tr>
</tbody>
</table>

*Students may not receive credit for both Virgil and Latin literature.

**Proof of High School Graduation**

Ithaca College follows the New York State Education Department (NYSEED) regulations that guide the admission of all students, including homeschooled students, when reviewing applicants for admission. Proof of high school graduation or the equivalent is required of all incoming students before online course registration for the students' second semester. Ithaca College requires only one of the following:

1. A final, official transcript from a regionally accredited high school* indicating the date on which the student was awarded a diploma; or
2. Proof of having taken and successfully passed the examination for the high school equivalency diploma in the form of the examination transcript showing the actual test results; or
3. A letter of substantial equivalency from the Superintendent of Schools or comparable chief school administrator certifying that the student is completing a home instruction program that is substantially equivalent to a four-year high school program and submission of a valid and in effect individualized home instruction plan (IHIP) that authorizes full-time study; or
4. Proof that the student has completed and passed all requirements for the following five New York State Regents examinations: the Regents Comprehensive Examination in English, the Regents examination in mathematics, the Regents examination in United States history and government, a Regents examination in science, and the Regents examination in global history and geography; a passing score of 65 or, where applicable, a score of 55-64 as determined by the
school district of residence (this option available only to students who are residents of New York State); or

5. Completion of 24.0 semester hours as a recognized candidate for a college-level degree or certificate distributed as follows: 6.0 semester hours in English language arts, including writing, speaking, and reading (literature); 3.0 semester hours in mathematics; 3.0 semester hours in natural sciences; 3.0 semester hours in social sciences; 3.0 semester hours in humanities; and 6.0 semester hours in any other courses that are part of a registered degree or certificate program at a regionally accredited institution of higher education*; or

6. Possession of a previous college degree from a regionally accredited college or university* in the form of an official transcript that shows the degree and date on which it was granted; for a student who completed a degree in another country, the college will confirm that the study was at the postsecondary level and that the institution is recognized by the country's Ministry of Education or equivalent.

*The six regional accrediting agencies are: the Middle States Association of Colleges and Schools; the New England Association of Colleges and Schools; the North Central Association of Schools and Colleges; the Northwest Association of Schools, Colleges, and Universities; the Southern Association of Colleges and Schools; and the Western Association of Schools and Colleges.

### CLEP Policy

Ithaca College, at the discretion of the student’s dean or program director, accepts credit from the College Level Examination Program (CLEP). Credit is awarded for both general and subject examinations as outlined in the table below. Test results should be sent directly to the Office of the Registrar. A limited number of CLEP credits may be applied toward general education requirements; see “Advanced Placement Policy.” (p. 300) For additional information about Ithaca College’s CLEP policy, please contact the Office of the Registrar, Peggy Ryan Williams Center, 607-274-3127. (http://www.ithaca.edu/catalogs/ug1213/studentinfo/advanced_placement_policy/)

### CLEP Examination Evaluations

#### General Examinations

<table>
<thead>
<tr>
<th>CLEP Exam</th>
<th>Min.</th>
<th>IC Course Equivalent</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition*</td>
<td>50</td>
<td>WRTG 18888 writing elective</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>50</td>
<td>ENGL 18888 English elective</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>50</td>
<td>MATH 10200 Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science</td>
<td>50</td>
<td>TRAN 18888 natural science elective</td>
<td>6</td>
</tr>
<tr>
<td>Social Science and History</td>
<td>50</td>
<td>HIST 28888 history elective</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Subject Examinations

<table>
<thead>
<tr>
<th>Subject</th>
<th>Min.</th>
<th>IC Course Equivalent</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>50</td>
<td>POLT 18888 politics elective</td>
<td>3</td>
</tr>
<tr>
<td>American History I</td>
<td>50</td>
<td>HIST 11100 U.S. History I</td>
<td>3</td>
</tr>
<tr>
<td>American History II</td>
<td>50</td>
<td>HIST 11200 U.S. History II</td>
<td>3</td>
</tr>
<tr>
<td>American Literature</td>
<td>50</td>
<td>ENGL 10500 Intro. to American Literature</td>
<td>3</td>
</tr>
<tr>
<td>Analysis/Interpretation of Literature*</td>
<td>50</td>
<td>ENGL 10700 Intro. to Literature</td>
<td>3</td>
</tr>
<tr>
<td>Calculus/Elementary Functions</td>
<td>50</td>
<td>MATH 11100 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>College Algebra</td>
<td>50</td>
<td>MATH 18888 Math elective</td>
<td>2</td>
</tr>
<tr>
<td>College Algebra/Trigonometry</td>
<td>50</td>
<td>MATH 18888 Math elective</td>
<td>3</td>
</tr>
<tr>
<td>College French</td>
<td>50</td>
<td>FREN 10100 Elementary French I</td>
<td>3</td>
</tr>
<tr>
<td>College French</td>
<td>62</td>
<td>FREN 10100 Elementary French I</td>
<td>3</td>
</tr>
<tr>
<td>College German</td>
<td>50</td>
<td>GERM 10100 Elementary German I</td>
<td>3</td>
</tr>
<tr>
<td>College German</td>
<td>63</td>
<td>GERM 10100 Elementary German I</td>
<td>3</td>
</tr>
<tr>
<td>College Spanish</td>
<td>50</td>
<td>SPAN 10100 Elementary Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>College Spanish</td>
<td>63</td>
<td>SPAN 10100 Elementary Spanish I</td>
<td>3</td>
</tr>
</tbody>
</table>
* Students may receive credit for only one of either English composition or freshman college composition and only one of either analysis/interpretation of literature or English literature.

## Expenses

### Basic Annual Costs 2012-13

All costs are subject to change without notice; these fees are payable in U.S. currency.

- **Tuition and fees**: $37,000
- **Board**: $6,200
- **Room**: $7,200
- **Health insurance**: $1,110
- **Total**: $51,510

The rate listed for room is based on double occupancy in one of the campus residence halls; rates vary with the type of facility. The College has limited single, suite, and apartment accommodations at higher rates. Triple occupancy rooms are also available at a lower rate.

### Additional Costs

Additional costs are involved in the following areas:

#### School of Business

The School of Business does not require laboratory fees. However, all business students are required to purchase a laptop equipped with Microsoft Office. Owning their own laptop allows students to make the most of their educational experience, enabling them to develop proficiency in using the same type of technology most often employed in the business community. For more information about the School of Business laptop requirement, see “Laptop Program” on the school’s website. ([http://ithaca.edu/business/laptops/](http://ithaca.edu/business/laptops/))

#### Roy H. Park School of Communications

The Park School does not require laboratory fees. However, the increasingly convergent nature of the communications discipline requires that all students have consistent access to a basic set of multimedia tools. All entering students are required to acquire a laptop computer for use in their classroom and production work. Specifications about the required make and model will be provided to students upon admission to the Park School. Students enrolled in certain courses may be required to supply their own equipment or materials, including computer data storage media. In cinema and photography, students are expected to furnish their own light meters and their own cameras for all still photography courses. In addition, students must purchase materials such as photographic film and paper, motion picture film, and
mounting board. Because of the large number of production courses, film, photography, and visual arts B.F.A. majors will incur additional costs for materials.

**School of Health Sciences and Human Performance**

With the exception of two majors (exercise science and sport studies), the curriculum of each of the programs in the school requires between one and five field-based experiences. Any related field experience expenses (housing, transportation, uniforms, etc.) are borne by the students. Students work closely with the fieldwork coordinator within their department to identify and secure placement at a facility that aligns with the profession they plan to pursue. In some instances, students will be able to complete field experiences locally during the regular semester while taking classes. However, many students choose to complete their field experiences outside of the regular semester. Tuition costs for summer and winter intersession coursework are calculated based on the number of credits the student registers for and the prevailing summer session rate.

Students who are majoring in an allied health field are required to be covered by the Ithaca College professional liability insurance policy. Students will be billed by policy year (September 1 to August 30) for coverage under this policy during the semester(s) they are registered for any type of field experience (the fee is approximately $20). In addition, certain courses (as indicated in the course descriptions) may also require students to be covered under this policy. Further information regarding insurance coverage is located within the policies and procedures section for each department.

Additional expenses may be required for the purchase of specialized equipment for specific courses in certain departments, as well as for courses offered through the physical activity, leisure, and safety (PALS) program. General information regarding these requirements is contained within the individual course description and is discussed by the instructor on the first day of class.

**School of Music**

**Performance study fee:** All fees for private lessons are paid in addition to regular tuition.

**Music majors and minors** (undergraduate, full-time, and part-time): No fees are charged for required lessons that are part of the degree program. For lessons not part of the degree program, the fee is $580. Such lessons consist of one-half hour of contact time per week per semester.

**Non-music majors** (undergraduate, full-time, and part-time): A fee of $580 is charged for lessons, which consist of one-half hour of contact time per week per semester.

**Explanation of Charges**

**Tuition**

Tuition for full-time students is based on a minimum of 12 and a maximum of 18 credits per semester. Students taking fewer than 12 credits will be charged $1,232 per credit. Those who exceed 18 credits per semester will be charged $1,232 for each additional credit. Undergraduate students who take graduate credits will be assessed at the undergraduate rate per credit unless they are within the 12-18 credits covered by full-time tuition.

Withdrawing from a course does not remove the responsibility for paying for that course if those credits caused the student to be billed for more than 18 credits. At the end of the add/drop period, students are liable for the credits for which they are enrolled at that time, regardless of a later withdrawal.

Full-time students who officially withdraw, take a leave of absence, or are dismissed from Ithaca College are charged a percentage of total tuition depending on the number of weeks attended. Weeks are counted from the first day of classes in each semester. No refunds are granted until the student completes the College’s official withdrawal or leave of absence procedure. See below for the complete refund policy. Any federal aid recipient who takes a leave of absence or withdraws within the ninth week should be aware that a return of federal aid may be required even though full tuition, room, and board charges will be incurred.

Students who change from full-time to part-time status must do so by the end of the first week of classes in order to receive a refund. No refunds are made to part-time students after the end of the first week of classes. Application forms for part-time status are available from the registrar.

If a student is called to active military duty during a semester, the College will apply, in full, any tuition paid for that semester to any future semester in which he or she may return. Room and board refunds will be issued on a pro rata basis consistent with our current policy.

Based on a 15-week semester, the following refund percentages are applied to the appropriate charges:

<table>
<thead>
<tr>
<th>Week</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>100%</td>
</tr>
<tr>
<td>2nd</td>
<td>85%</td>
</tr>
<tr>
<td>3rd</td>
<td>70%</td>
</tr>
<tr>
<td>4th</td>
<td>60%</td>
</tr>
<tr>
<td>5th</td>
<td>50%</td>
</tr>
<tr>
<td>6th</td>
<td>40%</td>
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<td>7th</td>
<td>30%</td>
</tr>
<tr>
<td>8th</td>
<td>15%</td>
</tr>
<tr>
<td>9th</td>
<td>0%</td>
</tr>
</tbody>
</table>

**PALS program**

The physical activity, leisure, and safety (PALS) program provides coverage for costs associated with unexpected illnesses or accidents sustained during physical activity. This program is available to all students who have completed the course requirements, such as providing proof of satisfactory completion of the physical activity, leisure, and safety (PALS) program.

**Liability insurance policy**

Students who are majoring in an allied health field are required to be covered by the Ithaca College professional liability insurance policy. Students will be billed by policy year (September 1 to August 30) for coverage under this policy during the semester(s) they are registered for any type of field experience (the fee is approximately $20). In addition, certain courses (as indicated in the course descriptions) may also require students to be covered under this policy. Further information regarding insurance coverage is located within the policies and procedures section for each department.

**Additional expenses**

Additional expenses may be required for the purchase of specialized equipment for specific courses in certain departments, as well as for courses offered through the physical activity, leisure, and safety (PALS) program. General information regarding these requirements is contained within the individual course description and is discussed by the instructor on the first day of class.
Students who withdraw from an affiliated study-abroad program must be attentive to refund deadlines, both those of the affiliate and those of Ithaca College, as there may be serious financial implications involved in withdrawing from a program near or after the start date of that program. Students are responsible for informing both the affiliate organization and the Office of International Programs should they withdraw from a planned study-abroad program.

Students who attend programs recognized by the College as affiliated study-abroad programs are subject to the following refund policy:

- A student who withdraws from the program before the actual start date of the program will be refunded based on the policies assessed by the affiliate organization. The student will be responsible for paying any remaining fees, charges, or withdrawal penalties assessed by the affiliate organization.

- A student who withdraws after the start of the program will be subject to the Ithaca College refund policies outlined above.

Any recipients of Title IV financial aid (i.e., federal aid through subsidized or unsubsidized Direct loans; PLUS or Perkins loans; ACG, Pell, SEOG, or SMART grants; or work-study) or institutional, state, or private grants or scholarships should refer to the “Title IV Refund Procedure” section. (http://www.ithaca.edu/catalogs/ug1112/studentaid/federal_programs/)

**Board**

All students residing in College housing facilities, with the exception of those in apartments with cooking facilities, must participate in the College residential meal plan. Upon official withdrawal or dismissal, a refund is given on board charges in accordance with the schedule above. Student teachers may make arrangements for a proportional reduction in charges to cover the periods they will be off campus.

**Health Center Expenses**

The Ithaca College health center will administer or coordinate care for all illnesses or injuries that may occur to matriculated Ithaca College students. The College charges for some services at the health center, such as X-rays, laboratory tests, medications, and special treatments.

**Student Injury and Sickness Insurance Plan**

Injury and sickness insurance is available to all matriculated students taking a minimum of 6 credit hours. The health and accident policy is specifically designed to complement Ithaca College’s health center services. Copies of the insurance brochure are sent to every student each year. Contact the health center for answers to your questions. Coverage is mandatory except with a waiver giving written proof of other insurance coverage, which must be submitted online each year by the date listed in the semester billing information.

**Personal Property**

The College does not carry insurance on students’ personal belongings or student-registered motor vehicles and is not responsible for loss or damage from any cause. Students are advised to check their family’s homeowner’s insurance and motor vehicle insurance policies. If the policies do not cover belongings at college, the student may wish to secure optional personal property insurance offered to all matriculating students. A brochure detailing coverages and costs is mailed to students every year. Students may leave their possessions in their rooms over vacations during the regular academic year but not over the summer months.

**Special Fees and Deposits**

**Advance Deposits for Continuing Students**

Students who wish to register in advance for the ensuing fall semester must pay an advance deposit of $400 by March 15. Failure to pay the deposit by this deadline will prevent a student from registering in advance for classes for the next semester. This deposit is credited in full to the student’s bill for the fall semester. The deposit is refundable in full to students who are not academically qualified to continue and to those who officially withdraw by June 15. Any student withdrawing after that date will not receive a refund.

**Other Common Undergraduate Charges**

**Application fee (nonrefundable) — $60**

**Late payment fee (nonrefundable) — $200**

Accounts not paid in full on or before August 10 for the fall semester and January 10 for the spring semester will be assessed a late payment fee each month that a balance remains outstanding.

**Parking permit**

- for cars, trucks, motorcycles, etc. (per year) — $500 (freshmen)
- for cars, trucks, motorcycles, etc. (per year) — $123 (upperclassmen)

**The cost of books and supplies** varies greatly, depending on specific course requirements and whether new or used texts are purchased. The average cost is $703 per semester.

**General Regulations (Expenses)**

1. All rates are subject to change without notice.
2. All regular charges are billed on a semester basis. Students will not be allowed to register or be admitted to classes until satisfactory payment has been made.

3. Student accounts must be settled before leaving the College. Transcripts will be withheld from students whose accounts are in arrears for any reason, including nonpayment of tuition and fees, fines, or medical charges. In the event that it is necessary to refer an overdue account for collection, the student and parents shall be obligated additionally to pay interest, collection, disbursement, and attorney fees.

4. All bills are payable in United States currency.

Health Center

The Hammond Health Center serves the individual and collective health care needs of the Ithaca College community by providing comprehensive primary care medical services for students, including preventive health and urgent care. In addition, the health center responds to the public health needs of the campus community and provides both individual and community education. Committed to providing students with excellent and highly accessible clinical services in an inviting, respectful, and confidential environment, the center strives to promote healthy life choices, to educate students about their illnesses, promote consumer competency, and to dialogue and partner with students in providing their medical care. The health center is open Monday-Friday from 8:00 a.m. until 11:00 p.m., and on Saturdays and Sundays from 10:00 a.m. until 6:00 p.m., whenever classes are in session. It adheres to the general principles and standards of ethical conduct endorsed by the American College Health Association: to do no harm, provide service in a caring manner, respect autonomy, protect privacy, maintain competence, promote justice, and respect diversity. The Ithaca College student health service is fully accredited by the Accreditation Association for Ambulatory Health Care.

Higher Education Opportunity Program (HEOP)

Ithaca College sponsors the New York State Arthur O. Eve Higher Education Opportunity Program (HEOP). (See information at website below.) HEOP provides access to college for selected students whose prior academic experiences do not reflect their true potential. HEOP students meet both academic and financial guidelines set by the New York State Education Department and by the College. Educational costs are met through need-based aid programs consisting of the Ithaca/New York State HEOP grant, New York State Tuition Assistance Program (TAP) and HEOP grants, and federal aid programs such as Pell grants, Supplemental Educational Opportunity Grants (SEOG), Direct loans, and work-study. All entering HEOP first-year students attend a three-week prefreshman summer academic orientation program. Designed to strengthen learning skills, broaden academic background, and familiarize students with Ithaca College resources, the summer program provides a comprehensive preview of college-level academic work. (http://www.ithaca.edu/ osg) During the academic year HEOP students receive academic support from professional staff in more than a dozen subject areas. In addition, program counselors assist students with academic issues, financial aid, career planning, and personal concerns. All first-year HEOP students meet weekly with one or more tutors and biweekly with a program counselor. Student success seminars and workshops are also offered. After the freshman year, students may consult the academic support staff as needed and may be assigned regular meetings in order to strengthen academic performance.

In addition, some HEOP participants can benefit from Ithaca’s Careers in Science, Technology, Engineering and Mathematics (C-STEM) program. C-STEM provides academic enrichment and career-oriented experiences for students who want to pursue careers in science- and health-related fields, or in licensed professions such as law and accounting. C-STEM students participate in internships, conduct research, and work with faculty or professional mentors to learn more about their areas of interest.

Eligibility for C-STEM depends on a number of factors, including New York residency, ethnicity, and family income levels. Students are selected for participation both during the admissions process and during the school year.

To apply for HEOP, students should do the following:

1. Check the Higher Educational Opportunity Program (HEOP) box on the Ithaca College application.

2. Complete the Free Application for Federal Student Aid (FAFSA) (see FAFSA website link below). Indicate that information is to be released to Ithaca College. (Note: The application takes four to six weeks to process before release to the College.) HEOP-eligible students also must submit a New York State Express TAP Application (ETA). The FAFSA application is available at local high schools, colleges, and online. The ETA is mailed directly to the student after the processing of the FAFSA. For more information, see "Student Aid." FAFSA Website Student Aid

3. Transfer students eligible for HEOP should submit a transfer application form to verify state eligibility. This form is available through the HEOP program in which the student was last enrolled or New York State public-sponsored Equal Opportunity Program offices at SUNY and CUNY institutions.
International Baccalaureate Policy

The International Baccalaureate (IB) is a nonprofit educational foundation based in Switzerland that works with secondary schools throughout the world on programs for students between the ages of 16 and 19 years. Designed as a comprehensive, two-year curriculum that allows its graduates to fulfill requirements of various national education systems, the diploma model is not based on the pattern of any single country but incorporates the best elements of many. Beyond intellectual rigor and high academic standards, strong emphasis is placed on the ideals of international understanding and responsible citizenship.

The table of IB equivalents summarizes Ithaca College’s policy on interpreting the IB standards. This policy is in effect for students entering Ithaca College in the 2011-12 academic year and is subject to change at any time. This table reflects credit awarded for higher-level subjects. No credit is awarded for subsidiary-level subjects.

All other IB examinations will be reviewed on an individual basis after the student provides a course description or syllabus. For additional information about Ithaca College’s international baccalaureate policies, please contact the Office of the Registrar, Peggy Ryan Williams Center, 607-274-3127.

International Baccalaureate Policy Equivalents

<table>
<thead>
<tr>
<th>IB Exam</th>
<th>Score</th>
<th>IC Course Equivalent</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>6, 7</td>
<td>ACCT 22500 Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Art Design</td>
<td>4, 5, 6, 7</td>
<td>ART 18888 art elective</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>4, 5</td>
<td>BIOL 11500 Essentials of Biology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>6, 7*</td>
<td>BIOL 11500 Essentials of Biology</td>
<td>3</td>
</tr>
<tr>
<td>Business and</td>
<td>4, 5</td>
<td>MGMT 28888 management elective</td>
<td>6</td>
</tr>
<tr>
<td>Management</td>
<td>6, 7</td>
<td>ACCT 22600 Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4, 5, 6, 7</td>
<td>CHEM 18888 chemistry elective</td>
<td>3</td>
</tr>
<tr>
<td>Computer</td>
<td>4, 5, 6, 7</td>
<td>COMP 18888</td>
<td>3</td>
</tr>
</tbody>
</table>

| Science            | 7     | computer science elective |        |
| Design             | 4, 5, 6, 7 | TRAN 18888 open elective | 3      |
| Technology         | 7     |                            |        |
| Economics          | 4, 5, 6, 7 | ECON 12100 Principles of Macroeconomics | 3 |
| English A or B     | 4, 5, 6, 7 | ENGL 18888 English elective | 3      |
| French A or B      | 5     | FREN 20100 Intermediate French I | 3      |
| Geography          | 4, 5, 6, 7 | HIST 20300 Introductory Geography | 3 |
| German A or B      | 5     | GERM 20100 Intermediate German I | 3      |
| History            | 4, 5, 6, 7 | HIST 25200 Germany 1918-45 | 3 |
| History of Africa  | 4, 5, 6, 7 | HIST 18888 history elective | 3      |
| History of the Americas | 4, 5, 6, 7 | HIST 18888 history elective | 3      |
| History of Europe  | 4, 5, 6, 7 | HIST 10200 Modern Western Civilization | 3 |
| History and Culture of the Islamic World | 4, 5, 6, 7 | HIST 26100 The Middle East | 3 |
| History of East/Southeast Asia and Australia | 4, 5, 6, 7 | HIST 18888 history elective | 3 |
| History of West/South Asia | 4, 5, 6, 7 | HIST 18888 history elective | 3 |
Transfer Students

Students are encouraged to explore transfer options at Ithaca College. A transfer student is defined by Ithaca College as a high school graduate who is enrolled in or has completed 9 or more college credits. Transfer students may apply for either fall or spring admission to the College. Details about specific deadlines and information on how to apply can be found on the Ithaca College admission website. (http://www.ithaca.edu/admission/)

Transfer applicants are reviewed based on all their college work and on their high school academic record. Transfer applicants are required to submit the following items to the Office of Admission:

- completed online Common Application with required essay
- completed online Ithaca College application supplement
- official high school transcripts
- official college or university transcripts
- letter of recommendation or teacher evaluation
- application fee
- SAT or ACT scores (optional)

Auditions, portfolio reviews, or interviews are also required for certain programs. For specific academic information, consult the transfer student sections at the beginning of each school section in this catalog.

Credit evaluations follow every acceptance letter from Ithaca College. Credit is granted for most college-level courses with a grade of C- or higher.

A special transfer transition program provides academic advising, testing, and registration information for incoming transfer students. Details about this program are available on the first-year experience website. (http://www.ithaca.edu/fye)

Transfer students are encouraged to visit Ithaca College to tour the campus and meet with an admission representative or a faculty member. Please contact the Office of Admission at 800-429-4274 or 607-274-3124 to set up an appointment.

Prospective transfer students are encouraged to register for an account at my.ithaca.edu. The myithaca portal provides...
in-depth information about the College and allows students to check application status and register for campus events. Additional details about our transfer admission process are provided on our website and are available from the Office of Admission.

myIthaca (https://my.ithaca.edu/index.php)
Office of Admission (http://www.ithaca.edu/admission)

International Students

Ithaca College encourages applications from international students and values the cultural enrichment they bring to the campus community. The Office of International Programs provides cultural adjustment advice, an orientation on maintaining legal student status, and other support services.

Applicants whose native language is not English should note that Ithaca College requires formal evidence of English-language fluency. A TOEFL score of 550 (213 for the computer version, 80 for the Internet-based version) or equivalent is the minimum requirement for admission. Please contact the Office of Admissions for further information about language-fluency certification.

Before an international student may enroll at Ithaca College, his or her visa eligibility and financial status must be reviewed by the Office of International Programs and the Office of Admission. A financial statement and supporting documentation must be received by the admission office at least eight weeks before the semester for which the applicant is seeking admission. These documents must show that all educational expenses for the duration of the student's stay in the United States -- including tuition, room, board, books, and international travel -- can be fully met by the student, his or her family and/or sponsor, and other sources of financial assistance. An I-20 form, which is required for the application for a student visa, is issued to candidates who have been offered admission, who have submitted their enrollment confirmation and advance deposit, and who have provided the requisite financial documentation.

International Programs

Tanya R. Saunders, Director

The Office of International Programs encourages students to enhance their undergraduate program with a summer, semester, or year of international study experience. Our staff members can assist students in selecting study programs that fulfill their academic needs as well as their personal interests. With careful planning, students in any major can study abroad.

In addition to sponsoring student exchanges with universities in such places as Australia, Canada, China, the Czech Republic, Germany, Ireland, Japan, Korea, Singapore, Spain, and Sweden, Ithaca College administers its own program in London. The Ithaca College London Center offers a variety of courses and a number of internships. The College continues to develop new opportunities for students to study abroad, including faculty-led programs.

Through other New American Colleges & Universities (NAC&U) institutions and affiliate arrangements with the Center for Ecological Living and Learning (CELL), the Center for Cross-Cultural Studies (CC-CS), the Institute for the International Education of Students (IES), the Institute for American Universities (IAU), Living Routes, the National Theatre Institute (NTI), the School for International Training (SIT), and the Sea Education Association (SEA), students may study various disciplines in many countries around the globe. With the permission of Ithaca College, students may also elect to study abroad with non-affiliated programs sponsored by other accredited U.S. colleges or international institutions.

Students planning to study abroad, whether through an Ithaca College program, an affiliated or a nonaffiliated program, must have the approval of the Office of International Programs. A minimum cumulative GPA of 2.50 is required for general approval to study abroad, however, many programs have a GPA requirement of 3.00 or higher.

Study in an Affiliated Program

Students enrolled in affiliated programs are guaranteed academic credit for their study abroad, but petitions for assignment of credit are required to ensure that the credit is applicable to their degree program. Grades received are calculated into students’ grade point average, and students are eligible to register in advance for the semester they return from study abroad.

Students who withdraw from an affiliated study abroad program must be attentive to refund deadlines, both those of the affiliate and those of Ithaca College, as there may be serious financial implications involved in withdrawing from a program near or after the start date of that program. Students are responsible for informing both the affiliate organization and the Office of International Programs should they withdraw from a planned study abroad program.

Students who attend programs recognized by the College as affiliated study abroad programs are subject to the following refund policy:

- If a student withdraws from the program before the actual start date of the program, consideration for any refund will be based on the policies assessed by the affiliate program. The student will be responsible for
Students applying to an affiliated program should not take a leave of absence. Students participating in affiliated study-abroad programs will be required to pay the Ithaca College tuition charge. In the event that the affiliate program tuition charge is greater than Ithaca College tuition, students will be billed by Ithaca College for the additional amount. Students will also be billed by Ithaca College for the room and board charges associated with the affiliated program and a fee for international health insurance. Students will remit payment directly to Ithaca College for tuition, room and board, and the health insurance. Ithaca College reimburses the affiliate program for these charges after payments and financial aid have been applied to the students’ Ithaca College accounts.

Students studying full-time with affiliate programs may be eligible for Ithaca College financial aid. They may also be eligible for federal and state financial aid programs.

**Affiliated Programs**

- Center for Ecological Living and Learning (CELL)
- Center for Cross-Cultural Studies (CC-CS)
- Institute for American Universities (IAU)
- Institute for the International Education of Students (IES)
- Living Routes
- National Theatre Institute (NTI)
- New American Colleges & Universities (NAC&U) study abroad programs
- School for International Training (SIT) (Affiliated program selection is limited.)
- Sea Education Association (SEA)

**Study in a Nonaffiliated Program**

There are numerous U.S. college-sponsored programs of study abroad in addition to programs offered by the universities of many countries. The Office of International Programs has a library of materials about both kinds of programs.

Students enrolled in nonaffiliated programs are not guaranteed academic credit for their study abroad unless petitions for transfer credit have been approved in advance for the courses they take. Ithaca College will grant transfer credit only for grades of C- or better, but grades are not calculated into the students’ Ithaca College grade point average. Students are eligible to register in advance for the semester they return from study abroad, provided they have taken an approved leave of absence. Students on an approved leave of absence must have a $400 deposit on account at Ithaca College and pay a $415 administrative fee for study abroad to the College. Students studying with such a program are not eligible for Ithaca College financial aid. Federal funds, however, may be applicable to participation in nonaffiliated programs. Students with financial need should inquire directly to the program of interest about extramural scholarships and consult with the Office of Student Financial Services.

Students who wish to apply federal funds toward the cost of participation in a nonaffiliated program should submit bills for tuition and fees from the nonaffiliated program to Ithaca College’s Office of Student Financial Services. Payment should then be made to Ithaca College for the full amount due, less any federal funds already posted to the student’s account. Ithaca College will then pay the nonaffiliated program. Students who do not receive federal funds should make payment directly to the nonaffiliated program.

**Application Procedures for Study Abroad**

1. Consult an adviser in the Office of International Programs to learn more about options and procedures. Obtain a copy of the Ithaca College guidelines for study abroad.
   (http://www.ithaca.edu/oip/docs/study_abroad/sa_guide/study_abroad_guide.pdf)

2. Meet with the academic adviser to discuss plans and select appropriate courses from the program’s offerings. Upcoming seniors should also obtain and complete a graduation worksheet in conjunction with the academic adviser.

3. Apply to the chosen study abroad program.

4. Make an appointment with an adviser in the Office of International Programs to go over the paperwork required to obtain Ithaca College approval for the plans.

5. The Office of International Programs must be notified of plans to study in an affiliated or nonaffiliated program by November 1, 2012, for the spring semester, and by April 1, 2013, for the summer/fall semesters.

6. Attend mandatory study abroad orientation sessions. There are several orientations held in April and November of each year. Contact the Office of International Programs for further information.

**Study at the London Center**

The Ithaca College London Center offers an academic study program for sophomores, juniors, and seniors.
Students from Ithaca and other colleges and universities in the United States who want an international study experience of a summer or one or two semesters during their undergraduate years are invited to participate. The London Center’s curriculum includes courses in the liberal arts, business, communications, music, and sport studies, that are designed to take advantage of the social and cultural milieu of London. There is also a specialized program in theater arts for students beyond their first year majoring or minoring in this area.

The London Center is housed in a restored Victorian mansion in the South Kensington district of the city. Most faculty members are British and convey a perspective that helps students understand British society and develop cross-cultural awareness. Excursions and visits to various institutions, cultural centers, and museums are an integral part of the curriculum, while presentations by guest lecturers bring students into contact with distinguished individuals from a variety of disciplines.

Students carry a full academic load while studying in London and enjoy many opportunities for class-related trips and other educational travel.

Transportation and living costs vary, but London Center students pay normal Ithaca College tuition. Students receive assistance in finding flats in London.

Financial aid arrangements available in Ithaca, including New York State scholarships and rehabilitation grants, are available to students at the London Center. In addition, students may compete for a limited number of supplemental Fred Camden London Assistance Grants and for one Studin Sisters London Center Scholarship per semester. Students going to London in a spring semester who are business majors are eligible to apply for the Wendy Bahlav ’78 London Center Scholarship, which provides one award of $1,000 each spring semester to a student demonstrating high levels of financial need and academic achievement. Resident assistant stipends are not available in London, and college work-study positions are limited.

**London Center Study-Abroad Program**

Participation in the London Center program — whether for a summer, a semester, or a year — is open to sophomore, junior, and senior students from Ithaca College and other U.S. institutions. A minimum 2.50 cumulative average and approval by the applicant’s dean are required for admission to the London Center, in addition to an academic reference, an essay, and judicial review.

The London Center features a special program in British theater and internships in a number of fields, including but not limited to English, history, art history, theater, business, communications, economics, music education, politics, and social services (health administration, psychology, and sociology). See the Office of International Programs for updated course listings and descriptions.

**British Theater**

In cooperation with the Department of Theatre Arts, the Office of International Programs offers a theater program in London. The program is designed to provide students with an understanding and experience of British cultural life — both historical and modern — through the medium of the theater.

All students in the theater program take the 9-credit core, consisting of a seminar and a laboratory involving attendance at numerous plays during the semester. In addition, students may take an internship, a performance course (either THEA 23000 Introduction to British Styles of Acting or THEA 33200 Styles of Acting: Farce and High Comedy), THEA 13700 Stage Combat, or any other course offered at the London Center.

**Enrollment Policy**

The theater program is designed for juniors and seniors. The theater program is selective, with priority given to theater majors. Applications are available from and should be submitted to the Office of International Programs.

**Internships**

Internships, a special feature of the London Center program, are available in many different fields, each with its own internship coordinator, who locates placement opportunities for students and supervises the internship once secured. Students must submit an application for the internship they seek, but approval does not guarantee placement. Interns work at a placement site 16 hours per week for the duration of the semester and earn 3 credits. All internships are unpaid. Students wishing to do an internship will need to apply for and obtain a Tier 4 Student Visa from the British Consulate. The Office of International Programs and the London Center will provide guidance to those students requiring a visa.

See further information on internships in culture and communication and the Schools of Business, Communications, and Humanities and Sciences.

**Study at Ithaca-Sponsored Sites**

**Australia**

Ithaca College has exchange agreements in Australia with Griffith University in Brisbane, La Trobe University in Melbourne, Murdoch University in Perth, and the University of Tasmania in Hobart. All four universities have a wide range of course offerings, and students from any major will find classes to suit their program of study.

**Canada**

Ithaca College is a partner in the Killiam Fellowships Program. This program provides exceptional undergraduate students from select universities in Canada and the United States with the opportunity to spend either
one semester or a full academic year as an exchange student in the other country. Ithaca College students may apply for this very competitive program, which awards $10,000 for a full year of study and $5,000 for a semester. Students choose from approximately 11 possible Canadian universities.

**China**

Ithaca College has a number of exchange relationships with institutions in China. Beijing Sport University and Chengdu Sport University offer limited coursework in English, with a focus primarily on sport and exercise related fields, but also offer programs in economics and management, journalism, and foreign language. Students attending the University of Hong Kong may select courses from those offered either by the Faculty of Social Sciences or the Faculty of Arts, which may be appropriate for students in a wide variety of majors. Students attending Hong Kong Baptist University may select courses only from those offered by the Department of Physical Education.

**Czech Republic**

Ithaca College has an exchange agreement with Masaryk University in Brno, Czech Republic. Masaryk offers two programs in English that are appropriate for Ithaca students. The first program is central European studies and consists of courses related to history and culture. The second program is a TESOL (teaching English to speakers of other languages) training program. Upon completion of one semester in this program, students will receive a certificate in TESOL instruction from the University of Cambridge (England).

**Germany**

Ithaca College has an exchange agreement with SRH University of Applied Sciences Heidelberg. This program offers a 3-week summer session program for Business students in English, as well as full semester exchange. Coursework offered in English during the academic year is limited, so students should be at the 300-level in German language if they wish to undertake a semester in Heidelberg.

**Ireland**

Ithaca College has an exchange agreement with the University of Limerick. The University has a wide range of course offerings, and students from many majors will find classes to suit their program of study. The University of Limerick has an especially strong program in Irish traditional music and dance which would be of interest to music students, as well as theatre arts students with a strong interest in voice and/or dance.

**Japan**

Ithaca College has exchange agreements with Akita International University and the University of Tsukuba. These programs are open to all Ithaca College students. The programs can be for a spring semester or a full year and are ideal for students wishing to learn Japanese and deepen their knowledge of Japanese culture.

**Korea**

Ithaca College has signed an exchange agreement with Hanyang University in South Korea. This exchange program is open to all Ithaca College students. Some courses are available in English, and programs for students interested in studying the Korean language and learning about Korean culture are offered. No prior Korean is required. Summer sessions are available on this exchange program.

**Singapore**

Ithaca College has an exchange agreement with the School of Information and Communication and the School of Business at Nanyang Technological University in Singapore. Students who will be juniors and seniors at the time of the exchange in Singapore are eligible to apply to this rigorous program. Program prerequisites include evidence of good judicial standing at Ithaca College, a minimum cumulative GPA of 3.20, cultural sensitivity, and the ability to adhere to behavioral norms and a personal code of conduct appropriate for this Southeast Asian society.

**Spain**

Ithaca College has an agreement with the University of Valencia, allowing two students to be exchanged from each campus every year. Valencia is a beautiful, cosmopolitan city on the Mediterranean coast of Spain. The university has nearly 60,000 students and a wide range of course offerings suitable for almost any major. This program is specifically intended for students with advanced Spanish language skills, because all courses are taught in Spanish and participants will be in classes with native Spanish speakers.

**Sweden**

Ithaca College and Jönköping University in Sweden have an exchange agreement. This program is open to all Ithaca College students, but courses must be chosen either from the School of Health Sciences or the School of Education and Communication at Jönköping University.

**Other Initiatives**

Ithaca College is pursuing a number of international connections throughout the world. Please contact the Office of International Programs for the latest information on new programs.

**Residence Off-Campus Policy**

Ithaca College is a residential college. The College recognizes the developmental value of a residentially based
education and believes that residence hall living is a key component of a student's overall educational experience. For these reasons, provisions are made to house all students on campus throughout their undergraduate years. Students are required to live on campus for their freshman, sophomore, and junior years, unless they apply for and receive off-campus approval from the Office of Residential Life. A student with senior year status is considered exempt from the Residency Policy until they secure on campus housing. Under current housing processes, a senior is a student who has lived on campus for five semesters by the fall housing selection process held during the spring semester, and six and seven semesters, respectively, during the fall and spring semesters of a current academic year. Any student with senior-year status who wishes to reside on campus for the senior year must submit a senior intention form. Students with senior standing who do not submit a senior intention form to participate in room selection during the spring selection will be considered off-campus for the following semesters.

Once a senior declares their intent to live on campus by submitting a senior intention form and secures on-campus housing for the following academic year, the student relinquishes his or her senior year exempt status. Seniors who have relinquished their senior-year exempt status and later wish to live off-campus will need to apply for and receive off-campus approval from the Office of Residential Life.

Nonseniors and seniors who have relinquished their senior-year status as described above should not sign leases or make any other commitments for off-campus housing without written approval to move off campus from the Office of Residential Life. Any nonsenior or a senior who has relinquished senior-year exempt status who moves off campus without the written approval of the Office of Residential Life will be billed for room and board charges. The College remains committed to maintaining fully occupied residence halls. Recognizing that overoccupied residence halls can negatively affect the community if housing projections for an upcoming academic year indicate that the residence halls will be overoccupied, a limited off-campus application process may be conducted for nonseniors and for seniors who have relinquished their senior-year exempt status. Students should not sign off-campus lease agreements in anticipation of being approved to live off campus. The Office of Residential Life offers one off-campus process to grant off-campus approval for the following academic year. There are no provisions for exceptions to the off-campus policy. At any time, a student living off campus may ask to return to campus housing. These requests will be reviewed and approved on a space-available basis.

Readmitted students and students returning from the London Center, other Ithaca College study-abroad programs, from the Ithaca College communications program in Los Angeles, from the Washington Semester Program, from student teaching, internships, and so on, or from a leave of absence must resume their previous housing status (i.e., campus resident or off-campus status) upon return to campus, unless they have senior-year status and have not relinquished that status as detailed above. Married students, students in domestic partnerships or civil unions, students who are 23 years of age or older, incoming transfer students who have previously been enrolled at a college for at least two years, students with dependents, and students who meet the criteria for being a commuter student as defined by the College’s commuter policy (see below) are not required to live in College-provided housing. Students who meet the exempt criteria and opt to live on campus must remain on campus for the entire academic year.

Incoming freshmen are guaranteed on-campus housing. Occasionally, the demand for housing by other incoming students (i.e., transfers or readmits) or returning students may exceed the capacity of our residence halls. In this event, incoming freshmen and transfers may be assigned to temporary accommodations. Other incoming students or students returning to housing may be notified that on-campus housing is not available for them.

If a student has documented special needs, the Office of Residential Life will make every effort to provide the most appropriate on-campus housing assignment, in consultation with health services, academic support services, the counseling center, or other appropriate college offices.

COMMUTER POLICY

A student is eligible for commuter status if he or she lives within a 60-mile driving distance of Ithaca College and is living at the home of a parent or legal guardian. Students seeking commuter status must complete a commuter request application (available at the Office of Residential Life) and receive written approval from the Office of Residential Life in order to be released from room and board charges. Students who cease to meet the criteria for commuter status will be required to reside on campus and will be billed for appropriate room and board charges. Any student who misrepresents himself or herself as a commuter student may be subject to disciplinary action under the Student Conduct Code and may be billed for room and board charges.

PART-TIME STUDENTS

Undergraduate students who are not enrolled full-time (i.e., for at least 12 credits per semester) at Ithaca College may be subject to removal from the residence halls at the discretion of the Office of Residential Life. However, dropping to part-time status does not automatically make a student exempt from living on campus. Any questions
regarding part-time status should be directed to the Office of Residential Life.

**BOARD REQUIREMENTS**

All students residing in College housing facilities (with the exception of apartments in the Quads and the Circle and Garden Apartments) must participate in the College meal plan. A commuter meal plan is also available to apartment residents and off-campus students. Students who have special dietary needs should contact Dining Services.
STUDENT AID

Financial Aid Eligibility and Renewal

Ithaca College participates in a wide variety of aid programs designed to meet the needs of most students. These include federal, state, and our own institutional aid programs. Additional information may be found on the financial aid website. Please feel free to contact the Office of Student Financial Services by phone at 800-429-4275, by fax at 607-274-1895, or by e-mail at sfs@ithaca.edu. (http://www.ithaca.edu/finaid/)

All applicants for admission to Ithaca College and all continuing students are eligible to apply for financial aid in the form of scholarships, grants, work, and loans. Ithaca College institutional aid programs consist of merit-based, merit within need, and need-based-only programs.

Ithaca College offers a significant number of President’s, Dean’s, and ALANA (African, Latina/o, Asian, and Native American) Scholarships, as well as other named scholarships unique to our various schools, which are awarded to students of exceptional academic ability regardless of financial need. These awards are determined at the time a student is accepted for admission to the College.

- Ithaca Access Grants are awarded to students based on demonstrated need for financial aid, using a combination of federal and institutional assessments.
- Endowed scholarships and special awards are based on the criteria established by the donor and institutional policy. They are primarily awarded to students who have attended the College for at least one semester. Unless otherwise noted, all require demonstrated financial need.

Application Information

All students (incoming and continuing) who wish to be considered for any federal or need-based institutional assistance must submit the Free Application for Federal Student Aid (FAFSA) to the appropriate agency. Incoming students are also required to complete the College Scholarship Service (CSS) Profile application. Additional applications may be required for state programs. Students should check with their state education department or local high school or college for application information.

The following college codes are used in the completion of certain applications to assure that Ithaca College receives the information. Refer to individual applications for instructions on where to indicate these codes.

FAFSA 002739

CSS Profile 2325

New York State Tuition Assistance Program 0330

(TAP)

The priority filing date of the FAFSA and the CSS Profile for incoming students is February 1 of the year in which financial aid is desired. Incoming students seeking admission as an Early Decision applicant must file the CSS Profile application by November 1 of the year prior in which financial aid is desired. For continuing students, the priority filing date for the FAFSA is March 1 of the year in which financial aid is desired. (http://www.ithaca.edu/finaid/)

FAFSA applications are generally available at high schools in mid-November of the year before a student wishes to receive aid. (The FAFSA may be filed electronically; however, the online application is not available until January 1 of the year in which aid is being requested. CSS Profile applications are generally available beginning in late September and must be filed electronically.)

FAFSA (http://www.fafsa.ed.gov/)

PROFILE (https://profileonline.collegeboard.com)

Applications of incoming and continuing students who apply after these dates will be reviewed but cannot be guaranteed full consideration for all aid programs.

It is the student’s responsibility to complete any application for aid for which he or she is determined to be eligible, unless the student wishes to decline the aid source being offered.

Duration and Limitations of Awards

Aid is awarded for one year: All forms of financial aid — scholarships, grants, jobs, and loans — are committed for the period of one academic year only and must be reapplied for annually. Exceptions are the Ithaca recognition awards and President’s, Dean’s, Martin Luther King Jr. (MLK), Ithaca Premier Talent, ALANA, Rod Serling, Carl Sgrecci, Lawrence C. Hill and Adrian M. Newens, Shirley Hockett, John B. Harcourt, Willard T. Daetsch, Patrick Conway Scholarships, and Flora Brown and Leadership in Business Awards, which are based on merit or a combination of merit and talent and may require a one-time application or be awarded without application. The Ithaca Sibling and Ithaca Heritage Grants do not require an application.

Aid goes with you if you transfer within the College: Ithaca College need-based scholarships and grants remain with the student regardless of transfer from school to school within the College, as long as he or she
continues to demonstrate financial need, maintains full-time status, and meets the College’s standards for good standing and satisfactory progress for state and federal programs.

**Aid is renewed as long as you’re progressing:** All the awards listed above are renewed annually (provided reapplication, if required, occurs) until a student completes the bachelor’s degree program, as long as he or she maintains full-time status and a cumulative grade point average (GPA) of 3.00 at the end of each spring semester and meets the College’s standards for good standing and satisfactory progress. A student must enroll in at least 12 credits per semester to be considered to be making satisfactory academic progress for the purpose of the merit-based programs. The same rules apply to the MLK Scholarship, except that the GPA requirement is a 3.30. For recipients of the Flora Brown Award who matriculated for the 2010-11 academic year and after, the GPA requirement is 2.75. For the Leadership in Business Award, the GPA requirement is 2.75. Please refer to specific awards for more information. The IthacaSibling and Heritage Grants do not have a GPA requirement for renewal.

**Aid stops if you withdraw from the College:** A student automatically forfeits financial aid when he or she withdraws, is suspended, or is dismissed from any program at Ithaca College. Ithaca awards are not renewed if a student withdraws from the College or returns to the College without an approved leave of absence. A student who does not enroll full-time or drops to part-time status loses his or her merit-based award for that semester. Students taking a leave of absence must contact the Office of Student Financial Services before leaving school. Students returning from a leave of absence must reapply for financial aid under the usual guidelines for each program.

**Special TAP standards:** There are special New York State standards for students receiving Tuition Assistance Program (TAP) awards. Further details can be found in the “Academic Standing” section of the financial aid website. Financial aid recipients must notify the Office of Student Financial Services of changes to part-time status, internal transfers to other schools, and any changes of major.

(http://www.ithaca.edu/financialaid/understanding/academicstanding.php)

**Aid is adjusted as need changes:** Should a student’s financial need increase, his or her financial aid may be increased; should a student’s need decrease, need-based financial aid may be decreased. Need-based scholarships and grants are not renewed if a student fails to meet the prescribed deadlines or if funds become unavailable for any reason.

**Time limit for aid:** Financial aid is usually terminated after eight semesters unless the course of study normally requires additional semesters. Financial aid for transfer students is terminated at the completion of the number of semesters the student’s dean designates for degree completion when the student enters the College. Exceptions to these time limitations must receive the approval of the student’s academic dean and the Office of Student Financial Services. A student retains financial aid as long as he or she meets the standards prescribed for satisfactory progress in their studies for each specific program from which the student receives funds.

**Report all awards:** Recipients of financial aid are required to report all financial aid awards received from outside organizations and agencies immediately on receiving such assistance. The report must be made in writing to the Office of Student Financial Services or reported using the student information system, HomerConnect. Ithaca College reserves the right to change financial aid awards when students receive additional awards from any source. Award packages normally include estimates of anticipated Pell grant and state scholarship awards. In the event that the actual award is larger than estimated, Ithaca College awards may be reduced. Should actual awards be less than estimated, an increase in Ithaca College awards may be considered, if funds are available.

(https://homerconnect.ithaca.edu/)

**Academic Status**

Academic status decisions, such as academic warning and suspension, are made independently of a student’s financial aid status (see “Academic Standards” (p. 281)). Thus, standards of eligibility for financial aid may be stricter than standards of eligibility to remain at the institution. Individual schools and departments may have more stringent academic requirements than the minimum standards indicated under the heading “Academic Standing and Progress.” (p. 319) Therefore, students should check their school and department listings for special academic status policies.

Academic Standards (p. 281)
Academic Standing and Progress (p. 319)

**Summer School Assistance**

Institutional assistance for summer school is very limited. The summer school application deadline is April 1 of the year the student wishes to be considered for aid. Notifications are made by May 15.

An Ithaca College summer school aid application, available in the Office of Student Financial Services, is required in addition to filing the FAFSA. Physical therapy and occupational therapy students progressing normally within their program are exempt from this process. HEOP (Higher Education Opportunity Program) students should check with the Office of State Grants to find out how to apply for summer aid. Consideration for summer school
institutional aid is given in the following order: (a) students who will graduate at the end of the summer, fall, or spring semester; (b) students who must attend summer session as part of the natural sequence of their major; (c) all others.

Student Self-Help

Student contribution: All students who receive financial aid are expected to find summer employment while enrolled at Ithaca College and to use a portion of those earnings toward upcoming educational expenses. A minimum self-help contribution of $1,500 from summer earnings is required for institutional need-based aid, regardless of the federally calculated student contribution. HEOP students attending the summer prefreshman program are exempt from this requirement. Any student who intends to travel or attend summer school must advise the Office of Student Financial Services in advance and receive a written waiver of the summer employment requirement in order to be exempt from consideration of summer earnings as a portion of available funds.

Aid allocations: Allocations for financial assistance through employment programs are not guarantees of jobs. This allocation represents the amount a student is eligible to earn once he or she finds a campus job. Students may not work on-campus or federal work-study (FWS) community service positions more than 20 hours per week while classes are in session. For specific employment opportunities, see the Office of Student Employment website. (http://www.ithaca.edu/hr/studentemployment/index.php)

Loans: Federal Perkins and Federal Direct student loans are liabilities incurred by the student and must be repaid. Repayment schedules, which include interest, begin six or nine months after graduation or withdrawal from school, depending on the type of loan.

International Students

Financial aid for noncitizens is limited to institutional aid sources, including merit-based awards, need-based grants, endowed and special awards, and campus employment. ALANA Scholarships, MLK awards, and Ithaca Opportunity Grants are not available to international students.

International students applying for need-based assistance for the first time must complete a foreign student financial aid application and a certification of finances form, available from the College’s admission and student financial services offices.

In order to be considered for federal, state, or educational opportunity programs, international students must be U.S. citizens or permanent residents; possess a valid alien registration receipt card; have an arrival-departure record (I-94) from the Department of Homeland Security showing a status of refugee, asylum granted, parole (I-94 confirms parole for a minimum of one year and that status has not expired), or Cuban-Haitian entrant; possess a valid temporary resident card (I-688); or have a conditional permanent resident card (I-151C).

Financial Aid Disbursement, Payment of Bills

Financial aid is credited to a student’s account in equal amounts for each semester. Under special circumstances, a student may request permission to use financial aid for summer school attendance. It is a student’s responsibility to see that bills are paid in full by the due date - August 10 for the fall semester and January 10 for the spring semester. Bills not paid in full by those dates will be assessed a $200 late fee each month that a balance remains outstanding. Students expecting to use a Direct student loan for payment of their bills must demonstrate loan approval to the student financial services office before July 15 for fall semester payments and before November 15 for spring semester payments. Anticipated earnings from a student’s employment may not be used as payment on the student’s account. All federal (except federal work-study), state, and institutional aid (excluding employment programs) is credited to a student’s account after the add/drop period of the semester for which the funds are intended, providing the student meets all requirements.

Students applying for financial aid will not be discriminated against on the basis of age, disability, marital status, national origin, race, color, religion, sex, sexual orientation, gender identity or expression, or military status.

Advances on Anticipated Aid

The College recognizes that a student may be receiving several different types of financial aid and that these resources typically do not arrive at the College at the same time. A student may need anticipated aid that exceeds his or her charges to help meet other educational expenses such as books and supplies, rent, utilities, and so forth. When a student has met the obligations of filing for financial aid in a timely fashion and has provided all the required documents and forms to receive aid for which he or she is eligible, the College provides an opportunity for a small advance against anticipated financial aid once the semester has begun. This is not a loan, and no interest is charged for this service. Students must complete an Ithaca College advance request form. This application and additional information on eligibility and process are available in the Office of Student Financial Services and on the office website. (http://www.ithaca.edu/finaid/)
Academic Standing and Progress

State and federal financial aid regulations require colleges and universities to publish institutional criteria of good academic standing and satisfactory academic progress that will be used in determining eligibility for financial aid. The state of New York defines good academic standing in terms of program pursuit and satisfactory academic progress, whereas federal (Title IV) regulations call only for standards of satisfactory progress. Both state and federal regulations require satisfactory academic progress to be defined in terms of total credits and cumulative grade point average (GPA) earned by a given point in time.

Program pursuit — To remain in good academic standing from the standpoint of program pursuit, an Ithaca College undergraduate student must receive passing, failing, or incomplete grades in 6 credits each semester of the first year, in 9 credits each semester of the second year, and in 12 credits in each of the remaining four semesters. Grades of W (withdrawal) cannot be counted toward meeting these requirements. To be eligible for tuition assistance from the state of New York, a student must declare a major by the beginning of the fifth semester of undergraduate study.

Satisfactory academic progress — To remain in good academic standing from the standpoint of making satisfactory academic progress, an Ithaca College undergraduate student must earn at least the number of credits and the cumulative GPA indicated in the appropriate table below. The credits and average must be earned by the beginning of the term in which the financial aid is to be disbursed. Incomplete grades represent credit not yet earned. Grades in repeated courses count in the GPA calculation, but the credit counts only once. In order to continue to receive Title IV aid, an undergraduate Title IV aid recipient must complete his or her program within 150 percent of the published length of the program, measured in credit hours attempted. For instance, if the published length is 120 credit hours, the student must complete the program within 180 attempted credit hours. The table below applies to full-time students.

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Waiver of Standards

The above standards for program pursuit and satisfactory academic progress may be waived, provided a student can show fully documented medical or unusual personal circumstances. Statements explaining the special circumstances that may merit a waiver are on file in the Office of Student Financial Services.

Additionally, under New York State education law, the president of the New York State Higher Education Services Corporation (NYSHESC) can waive the academic progress requirement of a minimum C (2.00) cumulative GPA for a student who has received two years of state-funded aid.

The student may appeal in writing; the circumstances must be specific to the issue of the student’s inability to achieve the C (2.00) cumulative GPA as of the end of a particular semester or term. The state’s language provides for a waiver of the 2.00 requirement for undue hardship based on the death of a relative of the student, personal injury or illness of the student, or other extenuating circumstances. Use of the one-time president’s waiver does not preclude the possibility of waiver of the C (2.00) cumulative GPA requirement alone in a subsequent semester. Conversely, waiver of the C (2.00) cumulative GPA requirement alone in a term does not affect a student’s subsequent eligibility for the one-time waiver of the NYSHESC standards. Waivers of standards are granted for one semester only.

Ithaca College Programs

All recipients of need-based financial aid must demonstrate eligibility as determined by institutional policy. For the purpose of Ithaca College need-based programs, the calculation of financial need will not include parents attending college or other family members attending graduate school. In awarding institutional need-based grants or scholarships, Ithaca College uses the New York State Tuition Assistance Program (TAP) definition to determine whether a student has independent status. Applicants who have received a prior undergraduate degree will not be considered for institutional need-based financial aid.

Further information about application procedures as well as greater detail on aid sources is found on the financial aid website under “Aid Programs and Scholarships.” (http://www.ithaca.edu/finaid/programs_and_scholarships/index.php)
Dana Internship Program

The Dana program provides educationally relevant work opportunities for highly qualified students with financial need. The Dana student work experience takes place during the academic year and/or over the summer. Students may work during the academic year with faculty on special projects or in the local community at nonprofit organizations. A summer program may also include corporate settings outside the area. Applicants may be current freshmen, sophomores, or juniors who demonstrate financial need. Application must be made annually through the student financial services office.

Awards range from $3,345 during the academic year to as much as $5,000 for full-time summer internships. A portion of the award is paid directly to the student over the course of the summer or academic year, with the remainder applied to the student’s College account. Created through a grant from the Charles A. Dana Foundation, this program is intended to help students discover new academic directions while reducing their loan burden.

President’s, ALANA, and Select Named Scholarships

These scholarships are given to select entering undergraduate students of exceptional academic ability, regardless of their financial need. The awards are in recognition of superior academic achievement with the expectation of continuing pursuit of academic excellence. All incoming undergraduate students are automatically considered for President’s, Rod Serling, Carl Sgrecci, Lawrence C. Hill and Adrian M. Newens, Shirley Hockett, John B. Harcourt, Willard T. Daetsch, Patrick Conway, and ALANA Scholarships; no special application is necessary. ALANA Scholarship recipients must be members of an underrepresented group. Admitted transfer students who are Phi Theta Kappa members are eligible to receive an academic scholarship. A minimum cumulative GPA of 3.5 and a high school diploma are required. Part-time students, second BA/BS degree students, and transfer applicants in the School of Music or Department of Theatre are not eligible for this award.

Scholarship amounts vary depending on the date attendance began. President’s Scholarships are awarded in higher dollar amounts than ALANA and select named scholarships.

All scholarships in this group may be renewed annually for the duration of the student’s undergraduate study, as long as the student maintains full-time enrollment, a minimum cumulative GPA of 3.00, and satisfactory progress toward a degree. A review of each student’s academic performance is conducted by the student financial services office before approval for renewal.

Ithaca College Merit Scholarship

Ithaca College is a sponsor in the National Merit Scholarship Corporation (NMSC) program, which provides scholarships of up to $3,000 to students who list Ithaca College as their first-choice institution to NMSC in accordance with NMSC guidelines. These awards are renewable on an annual basis for up to eight semesters. Full-time enrollment and good academic standing are required.

Ithaca College National Merit Recognition Award

Students who list Ithaca College as their first choice to NMSC in accordance with NMSC guidelines but do not meet NMSC criteria for the Ithaca College Merit Scholarship, or receive less than the maximum award, are eligible to receive up to $3,000 in an Ithaca College National Merit Recognition Award. These awards are renewable on an annual basis. Full-time enrollment and good academic standing are required.

Martin Luther King Jr. (MLK) Scholar Award

First-year undergraduate students who have a high school ranking in the top 10 percent, highly competitive SAT scores, and community service involvement and who embody the ideals of Martin Luther King Jr. may be considered for an MLK award. A separate application is required; it is available from the admission office.

Award amounts vary, depending on the date enrollment began. MLK scholars may also be eligible for MLK grants based on financial need. The combination of the MLK scholarship and the MLK need-based award cannot exceed tuition. Full-time enrollment is required.

Select Named Awards

All of the following awards are undergraduate programs only and require full-time enrollment. With the exception of the Flora Brown Award, a minimum cumulative grade point average (GPA) of 3.0 at the end of each spring term is required for renewal in the following year.

Flora Brown Award

The Flora Brown Award amounts vary depending on the time a student began attending Ithaca College. Students who are first-time recipients beginning with the 2010-11 academic year are required to have a cumulative grade point average of 2.75 at the end of each spring semester for renewal in the following academic year. Flora Brown was the first student to register for the Ithaca Conservatory of Music, signing up on September 19, 1892. She also was the first graduate to give money to Ithaca College, contributing the first dollar toward the $500,000 needed for an endowment.

Carl Sgrecci Scholarship in Business
An accounting major and Ithaca College alumnus, Carl Grecci taught business administration at the College in the early 1970s, earning the Faculty Excellence Award. As vice president for finance and administration, he is responsible for managing the College’s endowment, investments, and operating and capital budgets.

Rod Serling Scholarship in Communications

One of the most prolific and inspired writers in television history, Rod Serling was the creator of The Twilight Zone, as well as an Emmy Award-winning scriptwriter for Playhouse 90 and other live programs during television’s “golden age.” In the early 1970s Serling taught communications courses at Ithaca. Today the College’s Rod Serling Archives house the largest single collection of his television scripts and screenplays.

Laurence S. Hill and Adrian M. Newens Scholarship in the Health Professions

Laurence Hill and Adrian Newens were instrumental in developing the two divisions that would eventually merge to become the School of Health Sciences and Human Performance. Hill served as head of the College’s physical education division from 1929 until 1957; one of the HSHP facilities is named after him. Newens directed the speech and drama division from 1931 until 1943. That department was a forerunner of Ithaca’s programs in the health professions.

Shirley Hockett Scholarship for the Natural Sciences, Mathematics, and Computer Sciences

A professor emerita of mathematics, Shirley Hockett began teaching at Ithaca College in 1966 and retired in 1991. During her long career she won several teaching awards and wrote six mathematics textbooks, including a very popular manual on preparing for the advanced placement exam in calculus.

John B. Harcourt Scholarship for the Humanities, Arts, and Social Sciences

A dedicated and dynamic teacher who specialized in Shakespeare and Dante, John B. Harcourt was an English professor for 32 years; he retired in 1985. He was also the author of The Ithaca College Story, a comprehensive history from Ithaca’s founding as a music conservatory through the mid-1970s.

Willard T. Daetsch Scholarship for Interdisciplinary and International Studies

A German professor at Ithaca from 1965 to 1995, Willard Daetsch was also the founding director of the Center for Individual and Interdisciplinary Studies, which contributed to the early development of the London Center and such innovative academic programs as women’s studies, social work, and planned studies. In addition, he founded Ithaca College’s technology interest group and served for a term on the Gerontology Institute advisory board.

Patrick Conway Scholarship for Music

A celebrated cornet soloist, Patrick Conway first gave brass instrument lessons at the newly founded Ithaca Conservatory of Music in 1895. After he and his band secured tremendous success through national tours, recordings, and radio shows, he returned to Ithaca in 1922 as head of the Patrick Conway Military Band School. Affiliated with the Ithaca Conservatory, the school was dedicated to training band musicians and conductors, including such notables as Les Brown, George S. Howard, and Walter Beeler.

Ithaca Leadership Scholarship

Recipients of the Ithaca Leadership Scholarship must possess a demonstrated record of leadership and above-average academic performance. A separate application is required and is available from the Office of Admission. The award is $6,000 or $7,000, depending on when enrollment began, and is renewable contingent upon continued demonstration of leadership and a cumulative GPA of 2.75 at the end of each spring semester. Full-time enrollment is required.

Ithaca Premier Talent Scholarship

This award is for selected new students who are majoring in music and theater — programs where artistic, technological, managerial, or theatrical talent is a criterion for acceptance into the major. The award is renewable annually. Good academic standing and full-time enrollment are required.

Ithaca Sibling Grant

This non-need-based grant is awarded to students who have a concurrently enrolled brother or sister at Ithaca College. The award amount is $1,000 per year. Full-time enrollment is required.

Ithaca Heritage Grant

This award is provided to children of Ithaca College alumni. Proof of alumni relationship must be provided to the Office of Student Financial Services upon request. The award amount is $1,000 per year. Full-time enrollment is required.

Leadership in Business Award

This non-need-based award is provided to students beginning with the 2011-2012 academic year. This award recognizes the potential contribution to our learning community, and is contingent upon maintaining at least a 2.75 cumulative GPA and continued full-time enrollment in the School of Business.

Ithaca Access Grant

This is a need-based grant. Full-time enrollment is required, and students must reapply for the grant each year.

Ithaca Opportunity Grant (IOG)
This program is offered to select students who are academically prepared, meet College admission standards, have considerable financial need, and are of African American, Asian/Pacific Island, Hispanic, or Native American origin. Students receiving IOG funds will also be considered for state, federal, and other funds. These awards are need-based and provide assistance up to the full cost of tuition.

**W. G. Egbert Founder’s Grant**

This program provides limited amounts of grant assistance to select students on the basis of high financial need as determined by the College. Full-time enrollment is required, and students must reapply each year.

**Ithaca-New York State HEOP Grant**

The Ithaca College-New York State Higher Education Opportunity Program (HEOP) provides need-based grants to students who have been accepted to the College under New York State HEOP program guidelines. Students’ academic records and family income levels must fit criteria set by New York State.

**Ithaca Employment Opportunities**

Eligible students may be employed under one or both of the following programs: federal work-study (FWS) or campus employment. Potential job opportunities may be found on the student employment website. All incoming students seeking campus employment are required to work one semester in the dining services. Campus employment is a College-funded program designed to offer employment opportunities to students, but it is not based on financial need. For additional information on FWS, see the “Federal Programs” section of the student financial services website.

**Student Financial Services Website**
(http://www.ithaca.edu/finaid/)

**Federal Programs**
(http://www.ithaca.edu/finaid/programs_and_scholarships/federal.php)

**Student Employment Website**
(http://www.ithaca.edu/hr/studentemployment/index.php)

The amounts awarded through FWS and/or campus employment generally range from $2,400 to $3,100. Award offers are not a guarantee of employment. It is the student’s responsibility to seek and accept employment and to work sufficient hours to earn the work award offered. Payment is made biweekly, usually via direct deposit.

The potential earnings from a work award will not be credited to a student’s account or considered as an anticipated payment for billing purposes, since there is no guarantee that the money will be earned. Money earned through work-study employment may be used at the student’s discretion.

**New York State Programs**

Detailed information about the programs listed on this page may be found on the College’s financial aid website or the New York State Higher Education Services Corporation (NYSHEC) website (http://www.hesc.org).

**Student Financial Services Website**
(http://www.ithaca.edu/finaid/)

**New York State Higher Education Services Corporation**
(http://www.hesc.org)

**New York State Tuition Assistance Program (TAP)**

The Tuition Assistance Program (TAP) provides grant assistance for tuition to eligible New York residents attending in-state postsecondary institutions. TAP grants are based on the applicant’s and his or her family’s New York State net taxable income.

The amount of the TAP award is scaled according to type of school, level of study, tuition charge, and net taxable income. Seven award schedules are currently in effect. Award schedules may be changed by subsequent legislative action. All income data reported are subject to verification by the New York State Department of Taxation and Finance and NYSHEC.

Undergraduate award amounts currently range from $500 to $5000, depending on family New York State net taxable income and when the student receives his/her first TAP payment. Graduate students are not eligible for TAP.

Recipients must be in good academic standing (see “Academic Standing and Progress” (p. 319)) in accordance with commissioner’s regulations and must not be in default of a loan guaranteed by NYSHEC.

**Academic Standing and Progress**
(p. 319)

**Academic Standing Information on Student Financial Services Website**
(http://www.ithaca.edu/finaid/understanding/academic_standing.php)

**Other New York State Programs**

**Scholarships for Academic Excellence**

Scholarships for Academic Excellence are awarded to outstanding graduates from registered New York State high schools. Awards are based on student grades in certain regents’ exams.

Awards are $1,400 to the top graduating senior of each high school in the state. Awards of $400 are made to other academically gifted students. The scholarship is renewable for up to four years, or five years in certain programs, and must be used within seven years of being awarded.
Aid for Part-Time Study (APTS)
The Aid for Part-Time Study (APTS) program provides grant assistance for eligible part-time students enrolled in approved undergraduate studies. Award amounts vary depending on availability of funds.

Part-Time TAP
This program helps eligible New York State residents attending in-state postsecondary institutions on a part-time basis to pay for tuition. The student must have earned at least 12 credits in each of two consecutive semesters, for a total of 24 credits earned. Award amounts vary depending on the number of credit hours the student is taking. Note that this program is not the same as the Aid for Part-Time Study (APTS) program.

New York State World Trade Center Memorial Scholarship
World Trade Center Memorial Scholarships provide funds to help meet the cost of attending college. The award covers up to four years of full-time undergraduate study (or five years in an approved five-year bachelor’s degree program).

Children, spouses, and financial dependents of deceased or severely and permanently disabled victims of the September 11, 2001, terrorist attacks on the United States, or the subsequent rescue and recovery operations, are eligible to apply. Recipients need not be New York State residents or U.S. citizens to receive the scholarships.

Memorial Scholarships for Children and Spouses of Deceased Police Officers and Firefighters
This award provides financial assistance to children and spouses of deceased police officers, firefighters, volunteer firefighters, peace officers, and emergency medical service workers who served in New York State and died as a result of injuries sustained in the line of duty.

The amount of the award is equal to the actual tuition and room and board costs, plus an allowance for books, supplies, and transportation, or the same costs at a SUNY institution, whichever is less.

Vietnam Veterans Tuition Awards
A full-time award, combined with any Tuition Assistance Program award, cannot exceed tuition. If part-time, students must be enrolled for at least 3 but fewer than 12 credits per semester. Proof of Vietnam veteran status to the New York State Higher Education Services Corporation is required.

The maximum award for full-time attendance is $1,000 per semester, or $500 per semester for part-time study.

Persian Gulf Veterans Tuition Award
The award is $1,000 per semester for full-time study or $500 per semester for part-time study. The recipient must currently be a New York State resident and have served in the U.S. armed forces in the hostilities that occurred in the Persian Gulf from August 2, 1990, to the end of such hostilities.

The student must submit a Persian Gulf Veterans Tuition Award supplement form to NYSHEC.

Regents Award for Children of Deceased or Disabled Veterans
The student must be a New York State resident at the start of the term for which payment is made. The student’s parent or stepparent must have served in the U.S. armed forces during specified periods of war or national emergency and, as a result of service, have died or have suffered 40 percent or more disability or be classified as missing in action. Alternatively, the parent (the veteran) must have been a prisoner of war during the specified period of service. The veteran must currently be a New York State resident or have been a resident at the time of death, if the death occurred during or as a result of service.

The award is $450 per year.

Recruitment Incentive and Retention Program (RIRP)
RIRP is a New York State program designed to recruit and retain quality personnel for the state military forces (army and air guard and naval militia). This program will pay the cost of tuition up to a maximum of $4,350 per calendar year for qualified applicants.

Full details on the program may be found at the New York State Division of Military and Naval Affairs (DMNA) website. (http://www.dmna.state.ny.us/index.php)

NYS Aid to Native Americans
The applicant must be on an official tribal roll of a New York State tribe, as well as a resident of New York State. The award is $1,000 per semester for full-time study or $500 per semester for part-time study. The applicant must currently be a New York State resident and have served in the U.S. armed forces in the hostilities that occurred in the Persian Gulf from August 2, 1990, to the end of such hostilities.

The student must submit a Persian Gulf Veterans Tuition Award supplement form to NYSHEC.

Full details on the program may be obtained from the Native American Education Unit, New York State Education Department, Education Building, Room 478EBA, Albany, NY 12234, Call 518-474-0537 for deadline dates and additional application information.

Source: Native American Education Unit, New York State Education Department, Albany, NY 12234
Segal AmeriCorps Educational Award

AmeriCorps provides opportunities for adults of all ages and backgrounds to serve through a network of partnerships with local and national nonprofit groups. In return for their service, members of AmeriCorps programs earn money for school in the form of an education award that can be applied to outstanding student loans or future higher educational and vocational training pursuits. Full-time AmeriCorps members perform 1,700 hours of service. Part-time AmeriCorps members perform 900 hours of service.

Awards of up to $4,725 are given for full-time service, and up to $2,363 for part-time service.

For additional information, see the AmeriCorps website. New York residents can contact the New York State Office for National and Community Service, 52 Washington St., Rensselaer, NY 12144. (http://www.americorps.gov/)

Higher Education Opportunity Program (HEOP)

Application Procedures

Application is through the HEOP office at the independent institution of higher education at which the applicant is enrolled. Contact the Office of State Grants for additional information, 607-274-1267, or see the website. (http://www.ithaca.edu/osg/)

Selection of Recipients and Allocation of Awards

The applicant must be (1) a New York State resident; (2) a matriculated undergraduate student at an independent college or university in New York State; and (3) academically and economically disadvantaged according to guidelines approved by the Board of Regents and the director of the budget. Selection of eligible applicants for participation in HEOP is conducted by the institution or the HEOP program at the institution or both.

Award Schedule

The amount of financial assistance and other support provided to HEOP participants depends on need as determined by the institution and the program, within state guidelines.

Responsibilities of Recipients

Recipientss must meet requirements for academic progress determined by each institution, within state guidelines. Each recipient must also apply for TAP, Pell, or other financial aid every year. HEOP-eligible students must submit a Free Application for Federal Student Aid (FAFSA) to the federal processor. Indicate on the FAFSA that the information is to be released to Ithaca College. HEOP-eligible students also must submit a New York State Express TAP Application (ETA). The FAFSA application is available at local high schools and colleges. The ETA is generated by NYSHESEC and mailed to the student after the student files the FAFSA. In addition, first-time HEOP applicants must also file the CSS Profile application.

Vocational Rehabilitation Grants

Application Procedures

Persons with disabilities can obtain a list of locations where grant application information is available by contacting the Office of Vocational and Educational Services for Individuals with Disabilities (VESID), New York State Education Department, 1606 OCP Twin Towers Building, 99 Washington Avenue, Albany, NY 12234, phone: 518-474-2714.

Federal Programs

For all federal aid programs listed applicants must file the Free Application for Federal Student Aid (FAFSA). Applications are available through financial aid offices at approved postsecondary institutions and online. (http://www.fafsa.ed.gov/)

Federal Pell Grants

Selection of Recipients and Allocation of Awards

The federal Pell grant program is an entitlement program. Eligibility and award amount are based on need. The applicant must be enrolled as an undergraduate student, for at least 3 credits, in an approved postsecondary institution and must need financial assistance to continue his or her education. A student may receive grants for the period required to complete a first baccalaureate degree but no more than 12 semesters for first-time Pell grant recipients on or after July 1, 2008. Awards may be used for tuition, fees, books, and living expenses.

Award Schedule

Awards range from $600 to $5,550 for the 2012-13 academic year. The amount of the award will be affected by costs of attendance and full- or part-time enrollment status. The federal Pell award does not duplicate state awards.

Responsibilities of Recipients

The student must continue to make satisfactory academic progress in the program in which he or she is enrolled. The student must not owe any refunds on Pell grants or other awards paid, or be in default on repayment of any student loan.

Before receiving payment, Ithaca College must have on file, by electronic means, an accurate official student aid report (SAR). Awards will be credited to the student’s account.
Federal Supplemental Educational Opportunity Grants (SEOG)

Selection of Recipients and Allocation of Awards

The applicant must (1) be a U.S. citizen or an eligible noncitizen; (2) be an undergraduate matriculated at an institution participating in the federal campus-based programs; (3) if applicable, be registered with the Selective Service; (4) demonstrate exceptional financial need relative to other applicants at the institution; and (5) be a Pell grant recipient. The applicant must not be in default or refund status for any federal Title IV aid at any institution.

Recipients and award amounts are determined by the Office of Student Financial Services.

Award Schedule

The award ranges from $100 to $4,000, depending on funding. A student may receive grants for the period required to complete a first baccalaureate degree.

Responsibilities of Recipients

The student must continue to make satisfactory academic progress.

Federal Direct Student Loan — Subsidized

Application Procedures

Ithaca College processes applications electronically. Borrowers will accept a loan offer using his/her HomerConnect access online. The College transmits pertinent information to the federal Department of Education (DOE). A borrower utilizes the DOE Direct Loan website to complete a master promissory note. A borrower wishing to complete a paper MPN must contact the Office of Student Financial Services. Repeat Direct Loan borrowers who have used the master promissory note while attending Ithaca College need not complete another promissory note.

HomerConnect (https://homerconnect.ithaca.edu/)

Federal Direct Loans (www.studentloans.gov)

Selection of Recipients and Allocation of Awards

The Direct Loan is an entitlement program in which all eligible applicants can obtain a loan. To be eligible for a guaranteed loan, a student must (1) be a U.S. citizen or eligible non-citizen; (2) be enrolled at least half-time or accepted for enrollment in a degree, certificate, or other program leading to a recognized credential; or (3) be enrolled in a course of study necessary for enrollment in a degree or certificate program, approved college, university, or other postsecondary institution in the United States or a foreign country; (4) not be in default or refund status for any federal Title IV program at any institution; (5) be determined to be eligible or ineligible for a Pell grant; (6) if applicable, be registered with the Selective Service; (7) have a Social Security number; (8) demonstrate financial need; and meet any other requirements as outlined by federal law or regulation.

Up to 1 percent of the loan amount borrowed for federal “loan origination and insurance fees” will be deducted from the amount borrowed prior to disbursement.

At Ithaca College, funds may not be disbursed until after the drop/add period has passed. Loan proceeds are made in two disbursements regardless of the loan period. Funds must be disbursed by electronic fund transfer (EFT), which allows the funds to be deposited directly into the student’s account.

Loan Schedule

An undergraduate may borrow up to $3,500 per academic year for the first year of study, $4,500 for the second (30-59 credits completed), and $5,500 for each additional undergraduate year (60 or more credits completed), up to a total of $31,000. A graduate student may borrow an annual maximum of $8,500. The aggregate limit, including any undergraduate federal Direct loans, is $138,500 (No more than $65,500 may be subsidized; this includes loans for undergraduate study.)

A student receiving a federal Direct student loan is eligible for a full-interest subsidy during the time he or she is in school at least half-time.

Responsibilities of Borrowers

The student must continue to maintain satisfactory academic progress. The interest rate is a fixed rate of 3.4 percent for loans disbursed on or after July 1, 2012. Repayment begins six months after the student ceases to be enrolled at least half-time.

Various deferments allowing postponement of repayment are available depending on when the student received the first loan. Periods of deferment are limited to those who are (1) in school at least half-time; (2) on graduate fellowships or rehabilitation training; (3) unemployed; (4) serving on active duty during a war, being on active duty as a member of the national guard, or (5) in economic hardship. For specific information students should consult the following website. (www.myedaccount.com)

On ceasing to be at least a half-time student, the borrower must make formal arrangements with the Direct loan servicer to begin repayment. The following regulations apply:

1. Standard, extended, graduated, income-based, and income-contingent repayment plans are available to assist borrowers in meeting repayment obligations.

Under unusual and extenuating circumstances, the loan
servicer, on request, may permit other payment arrangements.

2. The standard repayment period is 10 years, unless the repayment option provides for a longer repayment period.

3. Repayment in whole or part may be made any time without penalty.

4. Loans may be consolidated, resulting in longer repayment terms and smaller monthly payments.

Federal Direct Student Loan — Unsubsidized

Application Procedures
Application procedures are the same as for the subsidized federal Direct loan.

Selection of Recipients and Allocation of Awards
Eligibility is the same as for the subsidized federal Direct loan, except no demonstration of financial need is required. This program is available to students who may not qualify for subsidized federal Direct loans or for only partially subsidized Direct loans.

The interest rate is fixed at 6.8 percent. The origination fee and federal default fee are the same as for the subsidized Direct loan.

Loan Schedule
The schedule is the same as for the subsidized federal Direct loan. However, if the student is receiving a partially subsidized federal Direct loan, the combination of the two loan programs cannot exceed the annual loan limit. Independent undergraduate students may borrow an additional $4,000 for the first and second year (fewer than 60 credits earned), and an additional $5,000 per year in subsequent years. A student may also receive an additional $2,000 beyond the annual loan limit effective July 1, 2008.

Responsibilities of Borrowers
The requirements are the same as for the subsidized federal Direct loan. However, the borrower is responsible for interest that accrues while he or she is in school. Interest may be capitalized.

Federal Direct Parent Loans for Undergraduate Students (PLUS)

Application Procedures
The parent borrower must complete a Parent Loan Request Form (PLRF), which can be obtained from the Office of Student Financial Services. Completion of the FAFSA is required. The College transmits pertinent information to the federal Department of Education (DOE). A borrower uses the DOE Direct Loan website to complete a master promissory note. A borrower wishing to complete a paper MPN must contact the Office of Student Financial Services.

Selection of Recipients and Allocation of Awards
A borrower must be the parent or stepparent of a financially dependent undergraduate. Student eligibility criteria are comparable to those for federal Direct student loans, except Direct PLUS loans require no financial need test. An origination fee and default fee totaling 4 percent will be deducted from the loan amount.

Loan Schedule
The maximum of the Direct PLUS loan is the total cost of attendance, minus other financial aid.

Responsibilities of Borrowers
The student must continue to maintain satisfactory academic progress. A credit check is required. Repayment must begin 60 days after the loan is fully disbursed. Loan funds are electronically disbursed to the Ithaca College student account. Two disbursements are required, regardless of loan period. The interest rate is a fixed rate of 7.9 percent.

Federal Perkins Loan

Application Procedures
Ithaca College’s preferred application process is electronic. The College transmits pertinent information to its Perkins loan servicer and notifies the borrower. The borrower must then complete the master promissory note electronically. Repeat borrowers who have used the master promissory note need not complete another one. A borrower may elect to use a paper promissory note but must advise the Office of Student Financial Services in writing. Information on loan cancellation provisions for borrowers who go into certain fields or specified military duty is available from the loan servicer.

Selection of Recipients and Allocation of Awards
The applicant must (1) be a U.S. citizen or eligible noncitizen; (2) be enrolled in an undergraduate, graduate, or first-professional program as a matriculated student at an institution participating in the federal campus-based programs; (3) if applicable, be registered with the Selective Service; and (4) demonstrate exceptional financial need relative to other applicants at the institution. The applicant must not be in default or refund status for any federal Title IV aid at any institution.

Financial need is determined by standardized need analysis, subject to adjustments by institutions. Recipients
and loan amounts are determined by institutional financial aid administrators.

**Award Schedule**

Students in a program leading to a bachelor’s degree may borrow up to $5,500 per year; graduate students may borrow up to $8,000 per year. The aggregate limit for undergraduate study is $27,500 with no more than $11,000 in the first two years of study. The aggregate loan limits are $60,000 for graduate students, including undergraduate loans.

**Responsibilities of Borrowers**

The student must continue to maintain satisfactory academic progress. The current interest rate, payable during the repayment period, is 5 percent on the unpaid principal. Repayment begins nine months after graduation or leaving school, or after a student drops below half-time status, and may extend over a period of 10 years.

Information on deferments and loan cancellations for certain categories of borrowers is available from the Office of Student Financial Services.

For any of the federal loan programs (e.g., Perkins, Direct PLUS, Direct), if a borrower disputes the terms of the loan in writing and the lender (or institution) does not resolve the dispute, the borrower may contact the U.S. Department of Education, FSA Ombudsman, 830 First Street, NE, Fourth Floor, Washington, DC 20202-5144, by phone at 877-557-2575, by fax at 202-275-0549, or online at http://ombudsman.ed.gov. (http://ombudsman.ed.gov)

**Federal Work-Study (FWS) Program**

The FWS program provides employment opportunities for students.

**Selection of Recipients and Allocation of Awards**

The applicant must (1) be a U.S. citizen or eligible noncitizen; (2) be enrolled in an undergraduate, graduate, or first-professional program as a matriculated student at an institution participating in the federal campus-based programs; (3) not be in default or refund status for any federal Title IV aid at any institution; (4) if applicable, be registered with the Selective Service; and (5) demonstrate financial need.

**Award Schedule**

The postsecondary institution arranges jobs, on or off campus, with either public or not-for-profit agencies. Students are encouraged to seek positions in community service areas. Factors considered by the student financial services office in determining whether, and for how many hours, the recipient may work under this program include financial need, class schedule, academic progress, and the student’s health status.

Level of salary must be at least the minimum wage. The maximum salary allowed depends on the nature of the job and the applicant’s qualifications.

**Responsibilities of Recipients**

The student must continue to maintain satisfactory academic progress. See the “Academic Standing Information” on the financial aid website for more information. (http://www.ithaca.edu/finaid/understanding/academic_standing.php)

**Federal GEAR UP Scholarship**

**Application Procedures**

Students who are interested in this federal program must contact the state agency responsible for administration of the program.

**Selection of Recipients and Allocation of Awards**

To receive a GEAR UP (Gaining Early Awareness and Readiness for Undergraduate Programs) Scholarship, an eligible student must (1) be less than 22 years of age at the time of first scholarship award; (2) have received a secondary school diploma or its recognized equivalent on or after January 1, 1993; (3) be enrolled or accepted for enrollment in a program of undergraduate instruction at an institution of higher education that is located within the state’s boundaries; and (4) have successfully participated in the early intervention component of a GEAR UP or NEISP project, or have participated in a federal TRIO program.

Individual states may determine the maximum amount of an eligible student’s scholarship. The minimum amount of a scholarship must not be less than the lesser of the following: 75 percent of the average cost of attendance for an in-state student in a four-year program of instruction at a public institution in his or her state; or the maximum federal Pell grant for such fiscal year.


**Title IV Refund Procedure**

Students attending Ithaca College who are receiving federal Title IV financial aid (e.g., federal Direct, Direct PLUS, or Perkins loans; federal Pell, FSEOG grant funds) are required to return the portion of unearned aid if they withdraw, do not register, or otherwise fail to complete the
period of enrollment for which the Title IV aid was provided. The return of funds does not apply to any student whose date of withdrawal is beyond the 60 percent enrollment period for which the student has been charged. The last date of attendance is determined by the date the student began the College’s withdrawal process, the student’s last date of recorded attendance, or the midpoint of the semester for a student who leaves without notifying the College.

To determine the percentage of aid earned, divide the number of calendar days completed by the total number of calendar days in the enrollment period (excluding scheduled breaks of five days or more AND days that the student is on approved leave of absence).

Federal financial aid is returned to the program from which it was disbursed based on the percentage of unearned aid. To determine the percentage of unearned aid, subtract the percentage of aid earned from 100. The percentage of unearned aid is then multiplied by the amount of aid disbursed toward allowable institutional charges (e.g., tuition, room, and board).

A refund schedule of tuition and room and board charges based on a 15-week semester is provided below.

<table>
<thead>
<tr>
<th>Week</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>1st week</td>
<td>100%</td>
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<tr>
<td>2nd week</td>
<td>85%</td>
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<tr>
<td>3rd week</td>
<td>70%</td>
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<td>4th week</td>
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<td>8th week</td>
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<td>9th week</td>
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</tr>
</tbody>
</table>

Please note that the above refund policy also applies to students who are not federal aid recipients. It also applies to the return of institutional aid. In the case of any student for whom it is determined that a return must be made to programs based on prorated charges, those funds will be returned in the following order: unsubsidized federal Direct loan, subsidized federal Direct loan, federal Perkins loan, federal Direct PLUS, federal Pell grant, FSEOG funds, and other Title IV aid programs. Finally, if no institutional, state, or private financial aid refund is required, a refund will be made to the student.

When institutional aid is required to be returned, it will be done in the following order: W. G. Egbert Founder’s Grant, Ithaca Access Grant, merit-based scholarships, endowed/restricted scholarships, and other institutional aid programs.

Students who withdraw from an affiliated study-abroad program must be attentive to refund deadlines, both those of the affiliate and those of Ithaca College, as there may be serious financial implications involved in withdrawing from a program near or after the start date of that program.

Students are responsible for informing both the affiliate organization and the Office of International Programs should they withdraw from a planned study-abroad program.

Individuals who attend programs recognized by the College as affiliated study-abroad programs are subject to the following refund policy:

- A student who withdraws after the start of the program will be subject to the Ithaca College refund policies outlined above.
- A student who withdraws from the program before the actual start date of the program will be refunded based on the policies of the affiliate organization. The student will be responsible for paying any remaining fees, charges, or withdrawal penalties assessed by the affiliate organization. No financial aid is available to cover these charges.

More detailed information, including examples of refund and repayment calculations, is available in the admission and the student financial services offices.

Any federal aid recipient who is taking a leave of absence or withdrawing within the ninth week should be aware that a return of federal aid may be required even though full tuition and room and board charges will be incurred.

Special Considerations

Students who take a leave of absence, withdraw, or are on a continuation leave and are also Title IV aid recipients should be aware of the following:

- The grace period for federal loans (Perkins, Direct PLUS, Direct Loan) begins from the student’s last date of attendance as determined by the Office of Student Affairs and Campus Life. A student who is on an approved leave of absence will be considered as in school for purposes of repayment of federal loans. Should the student not return from an approved leave of absence, the last date of attendance will be considered the date the approved leave of absence began.
- When a student withdraws from the College, the last date of attendance will be determined as outlined under “Leaves of Absence, Withdrawals, and Readmissions” (p. 290) in the “Academic Information” section.
- A student who is provided a continuation leave will be reported as withdrawn, since federal regulations do not allow for the period of study to be interrupted for more than 180 days, excluding standard periods of non-enrollment.
- Before being granted approval for withdrawal, leave of absence, or a continuation leave, all students who are federal loan recipients are required to be counseled by the Office of Student Financial Services to discuss the consequences of their changed status on loan programs.
Reserve Officer Training Corps (ROTC)

The U.S. Reserve Officer Training Corps (ROTC) programs include the U.S. Army, Navy-Marine Corps, and Air Force ROTC programs. These programs are offered at host colleges throughout the nation, including many colleges located in New York State. Ithaca College participates only with the army and air force ROTC programs in partnership with Cornell University. To inquire into army ROTC call 607-255-4006; for air force ROTC, call 607-255-4004.

Each of the three programs has separate application procedures, eligibility requirements, scholarship award schedules, and service obligations. All programs offer merit-based scholarships to undergraduates, with some assistance available for graduate students, depending on the service.

Additional information about the different service programs and a list of the colleges hosting them can be obtained through the following websites:

- **Army ROTC** — [http://armyrotc.cornell.edu/](http://armyrotc.cornell.edu/)
- **Navy ROTC** — [https://www.nrotc.navy.mil](https://www.nrotc.navy.mil)
- **Air Force ROTC** — [http://www.afrotc.com](http://www.afrotc.com)

Veterans Administration (VA) Educational Benefits

Many programs of educational assistance benefits are available to those who have served in the active military, naval, or air service, and to their families. Detailed information on all veterans’ benefits can be obtained from regional and local Veterans Administration offices or from VA headquarters: Department of Veterans Affairs, Washington, DC 20420, or by telephone at 1-888-442-4551. In New York State, there are VA centers in Albany, Babylon, the Bronx, Brooklyn, Buffalo, Elmhurst, Manhattan, Rochester, Syracuse, and White Plains.

Complete information on veterans’ benefits may be found at the U.S. Department of Veterans Affairs website, [www.gibill.va.gov](http://www.gibill.va.gov), or at a local veterans affairs office. ([http://www.gibill.va.gov/](http://www.gibill.va.gov/))

Post-9/11 GI Bill

This program provides up to the cost of tuition and fees, not to exceed the most expensive in-state undergraduate tuition at a public higher education institution, a monthly allowance for living expenses, a stipend for books and supplies, and a one-time payment of $500 for those relocating from highly rural areas.

All-Volunteer Force Educational Assistance (Montgomery GI Bill Active Duty)

This program primarily serves individuals who entered military service on or after July 1, 1985. The program allows basic pay to be reduced monthly for the first 12 months of service in order to be eligible for as much as 36 months of educational assistance. A Selected Reserve Educational Assistance Program is also available to help members of the Selected Reserve pay for study leading to an undergraduate degree, or for nondegree programs at institutions of higher learning. Educational assistance must be used within 10 years of a veteran’s first date of discharge or release from service, with some exceptions.

Survivors’ and Dependents’ Educational Assistance

A monthly allowance is available to help pay the educational expenses of spouses, surviving spouses, or dependent children between the ages of 18 and 26 of service persons who are permanently and completely disabled from service-connected causes, who have died as a result of service or as a result of service-connected disabilities, who are missing in action, or who have been forcibly detained by a foreign nation for more than 90 days.

Other Resources and Information

Further information about other sources of financial aid is readily available at public libraries and college financial aid offices. Students should aggressively seek out and apply for financial assistance from grant, loan, and private scholarship sources. Students may also access a free Internet scholarship service, FastWeb ([www.fastweb.com](http://www.fastweb.com)). This and many other financial aid resources are listed online at the College’s financial aid website. ([http://www.ithaca.edu/finaid/](http://www.ithaca.edu/finaid/))

Among the websites with financial aid information are

- New York State Higher Education Services Corporation, [www.hesc.org](http://www.hesc.org)
- National Association of Student Financial Aid Administrators, [www.nasfaa.org](http://www.nasfaa.org), which offers a comprehensive election of other links
- Council for Exceptional Children, which provides information on scholarship opportunities for students with disabilities at [www.cec.sped.org/fd/scholapp.htm](http://www.cec.sped.org/fd/scholapp.htm)

In addition to the financial aid programs listed in this catalog, there are many specialized aid programs available to students who are members of underrepresented groups or who are disabled. Among these is the following:

- Educational opportunities for persons who are disabled or legally blind — contact the Office of Vocational and Educational Services for Individuals with Disabilities (VESID), New York State Education Department, 1606 OCP Twin Towers Building, 99 Washington Avenue, Albany, NY 12234, phone: 518-474-2714; or the Commission for the Blind and Visually Handicapped,
Endowed Scholarships and Special Awards

A number of scholarship funds have been established at the College through the generosity of alumni, parents, friends, corporations, and foundations. Most of these scholarships and special awards were created by endowment gifts or bequests, though some are maintained through annual support from the donor.

The growing number of these funds provides an increasing source of support for deserving students. Scholarships are usually awarded annually and in accordance with the intent of the donor. For those who have financial need as a factor in determining eligibility, it is calculated based on institutional policy. Visit the site below for a comprehensive listing of endowed and named scholarships. (http://www.ithaca.edu/giving/scholarships/named/index.php)
The information below is current as of May 1, 2012.

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Management
Duncan Duke, Assistant Professor - B.S. (Tec de Monterrey [Mexico]), M.B.A. (Tec de Monterrey, California, Santa Barbara), M.S., Ph.D. (Cornell University)
Aimee Dars Ellis, Assistant Professor - B.A. (Chicago), M.B.A. (Oklahoma), Ph.D. (Arizona State)
Linda S. Gasser, Assistant Professor - B.A. (Grinnell), M.S. (Indiana, Bloomington), Ph.D. (Cornell University)
Eileen P. Kelly, Professor - B.S. (Steubenville), M.A., Ph.D. (Cincinnati)
Donald E. Lifton, Associate Professor - B.S. (Cornell University), M.S. (Pennsylvania State), Ph.D. (Cornell University)
Granger J. Macy, Associate Professor - B.B.A. (Pace), M.B.A., M.S.Q. (Arizona State), Ph.D. (Indiana, Bloomington)
Susan P. S. Rosenthal, Associate Professor - B.A., M.S., Ph.D. (Syracuse)
William J. Tastle, Professor - B.S., M.S. (SUNY, Fredonia), M.B.A., Ph.D. (SUNY, Binghamton)

Marketing/Law
Marlene E. Barken, Associate Professor - B.A. (Cornell University), J.D. (Harvard)
Donald W. Eckrich, Professor - B.A. (Alfred), M.B.A. (Long Island), D.B.A. (Kentucky)
Cathy Crane, Associate Professor - B.A. (Sarah Lawrence), M.F.A. (San Francisco State)

Steven Ginsberg, Pendleton Endowed Chair (Los Angeles) - B.A. (Queens College), M.S. (Northwestern)

Steve Gordon, Assistant Professor - B.S. (Nevada, Las Vegas), M.S. (Ithaca)

Raymond Gozzi Jr., Associate Professor - B.A. (Harvard), M.A. (California, Berkeley), Ph.D. (Massachusetts, Amherst)

Marlena Grzaslewicz, Pendleton Endowed Chair - B.F.A. (L. Schiller Public School of Film, Television & Theater [Poland])

Jason Harrington, Assistant Professor - B.A. (College of the Atlantic), M.F.A. (Syracuse)

Peter Johanss, Associate Professor - B.A. (SUNY, Cortland), M.S. (Syracuse)

Ron Jude, Associate Professor - B.F.A. (Boise State), M.F.A. (Louisiana State)

Janice Levy, Professor - B.A. (Washington University), M.F.A. (Michigan, Ann Arbor)

Katalin Lustyik, Assistant Professor - B.S. (Kossuth [Hungary]), M.A., Ph.D. (Colorado, Boulder)

Barbara Morgenstern, Associate Professor - B.G.S. (Kent State), M.A., Ph.D. (Bowling Green State)

Nicholas Muellner, Associate Professor - B.A. (Yale), M.F.A. (Temple)

Tom Nicholson, Associate Professor - B.A. (Pittsburgh), M.S. (Syracuse)

Elisabeth Nonas, Associate Professor - B.A. (Vassar), M.F.A. (New York University)

John Powers, Assistant Professor - B.A. (Mount Union), M.A. (Ohio State), Ph.D. (Syracuse)

Megan Roberts, Associate Professor - B.A. (Humboldt State), M.F.A. (Mills)

Devan Rosen, Assistant Professor - B.A., M.A. (SUNY, Buffalo), Ph.D. (Cornell University)

John Scott, Assistant Professor - B.A. (Dalhousie University [Canada]), B.F.A. (Concordia University [Canada]), M.F.A. (University of Iowa)

Arturo Sinclair, Assistant Professor - M.F.A. (Transart Institute, Danube University [Austria])

Steven Skopik, Professor - B.A. (Delaware), M.A. (Wisconsin, Madison), M.F.A. (Rhode Island School of Design)

Stephen Tropiano, Associate Professor (Los Angeles) - B.S. (Ithaca), M.A. (New York University), Ph.D. (University of Southern California)

Gossa Tsegaye, Assistant Professor - B.S. (Ithaca), M.P.S. (Cornell University)

Wennmouth Williams Jr., Professor - B.S. (Bowling Green State), M.S., Ph.D. (Florida State)

Patrick Winters, Assistant Professor - B.A. (Washington), M.F.A. (University of Canterbury [New Zealand])

Patricia Zimmermann, Professor - B.A. (Iowa), M.A., Ph.D. (Wisconsin, Madison)

**Strategic Communication**

Dario Bernardini, Assistant Professor - B.A. (Temple), M.S. (Syracuse)

Dennis G. Charsky, Associate Professor - B.A. (Ithaca), M.S. (SUNY, Binghamton), Ph.D. (Northern Colorado)

Arhelene Flowers, Associate Professor - B.A. (New York University), M.S. (New School for Social Research)

Diane Gayeski, Professor - B.S. (Ithaca), M.A., Ph.D. (Maryland, College Park)

Scott R. Hamula, Associate Professor - B.A. (SUNY, Buffalo), M.B.A. (Chicago)

Howard K. Kalman, Associate Professor - A.A. (Montgomery Community), B.S.C. (Ohio), M.S., Ph.D. (Indiana, Bloomington)

Ari Kissiloff, Assistant Professor - B.S., M.S. (Ithaca)

Adam Peruta, Assistant Professor - B.A., M.S. (Syracuse)

William Ressler, Assistant Professor - M.S., Ph.D. (Yale)

Gordon Rowland, Professor - B.M. (University of Connecticut), M.M. (Ithaca), Ph.D. (Indiana, Bloomington)

William Ryan, Assistant Professor - B.S. (Notre Dame), M.S., Ph.D. (Indiana, Bloomington)

Cory Lynn Young, Associate Professor - B.A.C., M.A. (Bowling Green State), M.Soc.Sci. (University of Birmingham [England]), Ph.D. (Bowling Green State)

**School of Health Sciences and Human Performance**

The information below is current as of May 1, 2012.

**Exercise and Sport Sciences**

Paul R. Geisler, Associate Professor - B.S. (Marietta), M.S. (North Carolina, Chapel Hill), Ph.D. (Georgia Southern)

Andrew R. Getzin, Lecturer (part-time) - B.A. (Amherst), M.D. (University of Medicine and Dentistry of New Jersey)

Courtney E. Gray, Clinical Assistant Professor - B.S. (Ithaca), M.S. (Arizona School of Health Sciences)
Bruce L. Greene, Lecturer (part-time) - B.S. (Yale), M.D. (Rutgers)

Chris H. Hummel, Clinical Associate Professor - B.S. (Eastern Michigan), M.S. (Ithaca)

Jeffrey C. Ives, Professor - B.A. (Chapman), M.S., Ph.D. (Massachusetts, Amherst)

Miranda P. Kaye, Assistant Professor - B.S. (Cornell University), M.S. (Arizona), Ph.D. (Pennsylvania State)

Betsy A. Keller, Professor - B.S. (SUNY, Cortland), M.S., Ph.D. (Massachusetts, Amherst)

Deborah L. King, Associate Professor - B.S. (Bates), M.S. (Massachusetts, Amherst), Ph.D. (Pennsylvania State)

Todd Lazenby, Clinical Associate Professor - B.S., M.S. (Ohio State)

Michael L. Matheny, Clinical Associate Professor - B.S. (West Virginia, Morgantown), M.S. (Arizona)

Frank B. Micale, Clinical Associate Professor - B.A., B.S. (Colorado, Boulder), M.A. (San Diego State)

Sarah Piebes, Clinical Assistant Professor - B.S., M.S. (A.T. Still)

Ron M. Schassburger, Assistant Professor - B.S. (UCLA), M.A. (Oregon), Ph.D. (Cornell University)

Kent C. Scriber, Professor - B.S. (Ithaca), M.S. (SUNY, Cortland), Ed.D. (Syracuse), PT

Gary A. Sforzo, Professor - B.S. (Brooklyn), M.S. (Purdue), Ph.D. (Utah)

Greg A. Shelley, Associate Professor - B.A. (Nebraska, Lincoln), M.S. (Iowa), Ph.D. (Utah)

John A. Sigg, Associate Professor - B.S. (Ohio State), M.S. (University of Florida), Ph.D. (Toledo)

Thomas Swensen, Associate Professor - B.A. (Vanderbilt), M.S., Ph.D. (Tennessee, Knoxville)

Justine Vosloo, Assistant Professor - B.S. (Southeastern Louisiana), M.S., M.A. (West Virginia)

Phoebe Constantinou, Associate Professor - B.S., M.S. (Queens), Ed.D. (Columbia University)

Karen M. Edwards, Associate Professor - B.A. (Brandeis), M.H.A., Ph.D. (Cornell University)

Amy L. Frith, Assistant Professor - B.S., M.S. (Michigan State), M.P.H. (Emory), Ph.D. (Cornell University)

Hongwei Guan, Associate Professor - B.S., M.Ed. (Beijing [People’s Republic of China]), Ph.D. (Indiana University, Bloomington)

Shewanee Howard, Assistant Professor - B.S., M.S., Ph.D. (Miami, Ohio)

Julia L. Lapp, Associate Professor - B.S. (Elmira), M.S., Ph.D. (University of Connecticut)

Prithwi Raj Subramaniam, Professor - B.S. (Agricultural University of Malaysia), M.S. (Purdue), Ph.D. (Illinois, Urbana-Champaign)

Deborah A. Wuest, Professor - B.S. (Ithaca), M.S. (Indiana, Bloomington), Ed.D. (Boston University)

**Occupational Therapy**

Michelle Bradshaw, Assistant Professor - B.S. (Boston University), D.C. (New York Chiropractic College), OTR

Melinda A. Cozzolino, Associate Professor - B.S. (Keuka), M.S. (Scranton), O.T.D. (Creighton), OTR

Rita Daly, Clinical Assistant Professor - B.S., M.S. (D’Youville), OTR

Carole W. Dennis, Associate Professor - B.S. (University of New Hampshire), M.A. (University of Connecticut), Sc.D. (Boston University), OTR

Julie Dorsey, Assistant Professor - B.S., M.S. (Ithaca), OTR

Amie Germain, Instructor - B.S. (The Pennsylvania State University), MOT (Chatham College), OTR

Amy Gerney, Assistant Professor - B.S. (Syracuse), M.S. (Temple), O.T.D. (Thomas Jefferson)

Lynn Gitlow, Associate Professor - B.A. (Beaver College), OTR (Thomas Jefferson University), M.Ed., Ph.D. (Maine-Orono)

Diane M. Long, Associate Professor - B.S., M.S. (SUNY, Buffalo), Ed.D. (University of Phoenix), OTR

Jessica Valdez Taves, Assistant Professor - B.A. (Ithaca), M.S. (Colorado State), OTR

Kimberly Wilkinson, Assistant Professor - B.S. (SUNY, Buffalo), M.A., Ph.D. (Southern California, Los Angeles)

**Physical Therapy**

Katherine L. Beissner, Professor - B.S. (Texas, Dallas), M.S. (Texas Woman’s), Ph.D. (Syracuse), PT
Barbara C. Belyea, Clinical Professor - B.S., M.S. (Ithaca), DPT (Montana, Missoula), PT

Michael E. Buck, Clinical Associate Professor - B.S. (Canisius), M.S. (Beaver), Ph.D. (Touro University International), PT

Charles Ciccone, Professor - B.S. (Ithaca), Ph.D. (Rutgers, New Brunswick), PT

Hilary B. Greenberger, Associate Professor - B.A. (Oberlin), B.Sc. (Ithaca), M.Sc. (Dalhousie), Ph.D. (Virginia Commonwealth), PT

Tiffany Hilton, Assistant Professor - B.S. (Wake Forest), M.P.T. (University of St. Augustine for Health Sciences), Ph.D. (Florida, Gainesville), PT

Jeanne A. Hoppenrath, Assistant Professor - B.A. (South Florida), B.S. (Ithaca), M.S. (Rocky Mountain), DPT (MGH Institute of Health Professions)

Jeffrey Houck, Professor - B.S. (Virginia Commonwealth/Medical College of Virginia), M.A., Ph.D. (Iowa), PT

Stephen P. Lahr, Associate Professor - B.S. (Ithaca), Ph.D. (SUNY Upstate Medical University, Syracuse), PT

Hélène M. Larin, Associate Professor - B.Sc. (Université de Montréal [Canada]), M.S. (North Carolina, Chapel Hill), M.Ed., Ph.D. (Toronto [Canada]), PT

Christine A. McNamara, Clinical Assistant Professor - B.S. (Ithaca), B.S. (SUNY Upstate Medical University), D.P.T. (Simmons), PT

Ernest Nalette, Associate Professor - B.S. (Ithaca), M.Ed., Ed.D. (Vermont), PT

Deborah A. Nawoczenski, Professor - B.S., M.Ed. (Temple), Ph.D. (Iowa), PT

Karen W. Nolan, Associate Professor - B.S. (Ithaca), M.S. (Rochester), PT

Nicholas F. Quarrier, Clinical Associate Professor - B.S., Certificate (New York University), B.A. (Ithaca), M.H.S. (Indianapolis), D.P.T. (Washington University School of Medicine), PT

Andrew J. Robinson, Professor - B.S. (SUNY, Buffalo), Ph.D. (Medical College of Virginia, Virginia Commonwealth University), PT

John Winslow, Assistant Professor - B.S. (SUNY, Brockport), M.S. (Old Dominion), Ph.D. (University of St. Augustine for Health Sciences), PT

Cynthia Zablotny, Associate Professor - B.S. (SUNY, Buffalo), M.S. (University of Southern California), D.P.T. (Massachusetts General Hospital Institute of Health Professions), PT

**Speech-Language Pathology and Audiology**

Luanne Andersson, Associate Professor - B.A. (Ohio State), M.S. (Florida State), Ph.D. (University of Connecticut), CCC-SLP

Tina N. Caswell, Clinical Instructor - B.S. (SUNY, Plattsburgh), M.S. (Syracuse), CCC-SLP

Douglas E. Cross, Associate Professor - B.S., M.A. (Alabama, Tuscaloosa), Ph.D. (Tennessee, Knoxville), CCC-SLP

Susan E. Durnford, Clinical Assistant Professor - B.A. (Adams State), M.S. (Colorado State), CCC-SLP

Skott Freedman, Assistant Professor - B.S. (Ithaca), M.S., Ph.D. (San Diego State), CCC-SLP

Barbara Ann Johnson-Root, Professor - B.S. (Worcester State), M.A. (Massachusetts, Amherst), Ph.D. (University of Florida), CCC-SLP

Mary J. Pitti, Clinical Assistant Professor - B.S., M.S. (Ithaca), CCC-SLP

Yvonne Rogalski, Assistant Professor - B.A. (University of Waterloo [Canada]), B.A., M.A., Ph.D. (University of Florida), CCC-SLP

Amy Rominger, Clinical Assistant Professor - B.A. (SUNY, Oswego), Au.D. (Syracuse)

Marie M. Sanford, Clinical Associate Professor - B.S. (SUNY, Albany), M.S. (Ithaca), CCC-SLP

Richard J. Schissel, Associate Professor - B.S. (Wisconsin, Whitewater), M.S., Ph.D. (Pennsylvania State), CCC-SLP

Jena Waller, Clinical Instructor - B.A. (SUNY, Albany), B.S. (University of Washington), M.S. (Ithaca), CCC-SLP

**Recreation and Leisure Studies**

Margaret L. Arnold, Associate Professor - B.S. (University of New Hampshire), M.S. (Florida State), Ph.D. (Illinois, Urbana-Champaign)

Linda A. Heyne, Professor - B.A. (California, Berkeley), M.A., Ph.D. (Minnesota, Minneapolis)

Janice Elich Monroe, Associate Professor - B.S. (Southern Colorado), M.S. (Illinois, Urbana-Champaign), Ph.D. (Old Dominion)

Christopher R. Pelchat, Assistant Professor - B.A., M.Ed. (Eastern Washington), Ph.D. (Idaho, Moscow)

**Sport Management and Media**

F. Wayne Blann, Professor - B.A. (Drury), M.S. (Southern Illinois, Carbondale), Ed.D. (Boston University)

Heather Dichter, Assistant Professor - B.A. (Michigan), M.A. (North Carolina), Ph.D. (Toronto [Canada])

Annemarie Farrell, Associate Professor - B.A. (Mount Holyoke), M.A., Ph.D. (Ohio State)
Stephan D. Mosher, Professor - B.A., M.S., Ph.D. (Massachusetts, Amherst)
Craig A. Paiement, Assistant Professor - B.A. (SUNY, Brockport), M.S., Ph.D., (Michigan State)
Kyle Woody, Instructor - B.A. (DePauw), M.S. (Valparaiso)

School of Humanities and Sciences

The information below is current as of May 1, 2012.

**Anthropology**

Sue Je Gage, Assistant Professor - B.S. (Evansville), M.A., Ph.D. (Indiana University)
K. Brooke Hansen, Associate Professor - B.A. (Southern Florida), M.A., Ph.D. (Arizona)
Rebecca Lesses, Associate Professor - A.B. (Radcliffe), A.M., Ph.D. (Harvard)
Felicia Madimenos, Assistant Professor - B.A. (New York University), M.A. (Louisiana State), Ph.D. (University of Oregon)

Michael A. Malpass, Professor - B.A. (William and Mary), M.A., Ph.D. (Wisconsin, Madison), Dana Professor
Jennifer Muller, Assistant Professor - B.A., M.A., Ph.D. (SUNY, Buffalo)

Denise Nuttal, Assistant Professor - B.A. (York University [Canada]), MA. (Western Ontario [Canada]), Ph.D. (British Columbia [Canada])
Jack Rossen, Associate Professor - B.A. (Massachusetts, Amherst), M.A., Ph.D. (Kentucky)

David Turkon, Associate Professor - B.S. (Canisius), M.A., Ph.D. (SUNY, Buffalo)

**Art**

Dara Engler, Assistant Professor - B.F.A. (New Hampshire), M.F.A. (Indiana University)
Raymond B. Ghirardo, Professor - B.A. (Humboldt State), M.F.A. (Cranbrook Academy of Art)
Carla Stetson, Assistant Professor - B.F.A., (Kansas City Art Institute), M.F.A. (Vermont College)

Susan Weisend, Professor - B.A. (SUNY, Cortland), B.F.A. (Syracuse), M.F.A. (Washington University)

**Art History**

Nancy J. Brcak, Professor - B.A. (Vassar), M.A., Ph.D. (Iowa)
Stephen C. Clancy, Professor - B.A., J.D., Ph.D. (Cornell University)

Jennifer Germann, Assistant Professor - B.A. (Binghamton), M.A., Ph.D. (North Carolina, Chapel Hill)
Jennifer Jolly, Associate Professor - B.A. (Oberlin), M.A., Ph.D. (Northwestern University)

Lauren M. O’Connell, Professor - B.A. (Maryland, College Park), M.A., Ph.D. (Cornell University)

Itohan Osayimwese, Assistant Professor - A.B. (Bryn Mawr), M.Arch. (Rice), M.Sc., Ph.D. (Michigan, Ann Arbor)
Gary N. Wells, Associate Professor - B.A. (Baldwin-Wallace), M.A., Ph.D. (Ohio State)

Paul Wilson, Assistant Professor - B.A. (Whitman), M.A., Ph.D. (Minnesota, Twin Cities)

**Biology**

Edward Cluett, Associate Professor - A.B. (Boston College), Ph.D. (Cornell University)

David Gondek, Assistant Professor - B.S. (SUNY, Geneseo), Ph.D. (Dartmouth Medical School)

Jean Hardwick, Professor - B.A. (Smith), Ph.D. (University of Vermont)

Maki Inada, Assistant Professor - B.S. (Massachusetts Institute of Technology), M.S., Ph.D. (California, San Francisco)

Nancy Jacobson, Assistant Professor - B.S. (Utah), B.S. (University of Nevada, Reno), M.A. (Texas, Austin), Ph.D. (Cornell University)

Laurel Leann Kanda, Assistant Professor - B.A. (Dartmouth), M.S., Ph.D. (Massachusetts, Amherst)

Peter Melcher, Associate Professor - B.A. (Hawaii Pacific), M.S., Ph.D. (Hawaii, Manoa)

Katherine Muma, Instructor - H.B.Sc. (Western Ontario [Canada]), M.Sc. (Carleton University [Canada])

Maya Patel, Assistant Professor - B.A. (Mount Holyoke), M.S. (Illinois, Urbana-Champaign), Ph.D. (Cornell University)

Andrew Smith, Professor - A.B. (Dartmouth), Ph.D. (North Carolina, Chapel Hill)

Bruce Smith, Professor - B.Sc. (Toronto [Canada]), M.Sc. (British Columbia [Canada]), Ph.D. (Toronto [Canada])

Susan Swensen, Professor - B.A. (Grinnell), M.S., Ph.D. (Tennessee, Knoxville)

Ian Woods, Assistant Professor - B.A., B.S., Ph.D. (Stanford)

**Chemistry**

Kathryn Cole, Assistant Professor - B.S. (Fairfield), Ph.D. (Yale)
Vincent DeTuri, Associate Professor - B.A. (University of San Diego), Ph.D. (University of Nevada, Reno)

Akiko Fillinger, Associate Professor - B.S. (Portland State), Ph.D. (Colorado State)

Michael P. Haaf, Associate Professor - B.S. (Ithaca), Ph.D. (Wisconsin, Madison)

Janet L. Hunting, Assistant Professor - B.S. (California State, Long Beach), M.S., Ph.D. (Cornell University)

Anna Svetlanova Larsen, Assistant Professor - B.S., M.S. (Moscow State [Russia]), Ph.D. (Utah State)

Darius Robinson, Assistant Professor - B.S. (University of Delaware), Ph.D. (Pennsylvania)

Scott Ulrich, Associate Professor - B.S. (Temple), M.A., Ph.D. (Princeton University)

Communication Studies

Laurie P. Arliss, Professor - B.A., M.A. (SUNY, Cortland), Ph.D. (SUNY, Buffalo)

Donathan Brown, Assistant Professor - B.A. (Illinois College), M.A. (Syracuse)

Ann Byrne, Instructor - B.A., M.S. (SUNY, Cortland)

Howard Erlich, Associate Professor - B.A., M.A. (Brooklyn), Ph.D. (Massachusetts, Amherst)

Darin J. Gully, Assistant Professor - B.A., M.A. (South Dakota)

Bruce Henderson, Professor - B.S., M.A., Ph.D. (Northwestern University), Ph.D. (University of Illinois, Chicago)

Christopher House, Assistant Professor - B.S. (SUNY, Brockport), M.A. (Syracuse)

Danette Johnson, Professor - B.A. (West Virginia Wesleyan College), M.A. (West Virginia University), M.A., Ph.D. (Northwestern University)

Robert G. Sullivan, Associate Professor - B.S., M.A. (Emerson), Ph.D. (Maryland, College Park)

P. Scott Thomson, Assistant Professor - B.P.A., M.F.A. (Wayne State)

Michael Whelan, Assistant Professor - B.S. (SUNY, Brockport), M.I.L.R. (Cornell University), J.D. (SUNY, Buffalo)

Computer Science

John Barr, Associate Professor - S.B. (Massachusetts Institute of Technology), M.S. (Boston University), Ph.D. (Pennsylvania State)

Paul Dickson, Assistant Professor - B.S. (Swarthmore), M.S., Ph.D. (Massachusetts, Amherst)

Ali Erkan, Associate Professor - B.S., M.S., Ph.D. (Lehigh University)

Sharon Stansfield, Associate Professor - B.A. (SUNY, Potsdam), M.S.E., Ph.D. (Pennsylvania, Philadelphia)

Douglas Turnbull, Assistant Professor - B.S.E. (Princeton), Ph.D. (California, San Diego)

Teresa Zollo, Assistant Professor - B.A. (SUNY, Oswego), M.S., Ph.D. (Rochester)

Center for the Study of Culture, Race, and Ethnicity

Asma Barlas, Professor and Director - B.A. (Kinnaird [Pakistan]), M.A. (Penjab [Pakistan] and Denver), Ph.D. (Denver)

Sean Eversley Bradwell, Assistant Professor - B.A. (University of Rochester), Ph.D. (Cornell University)

Paula Ioanide, Assistant Professor - B.A. (Brown University) M.A., Ph.D. (University of Southern California

Economics

Darius J. Conger, Assistant Professor - B.S., M.A. (Texas Tech), Ph.D. (Oklahoma)

Roger H. Hinderliter, Associate Professor - B.B.A. (Wichita State), A.M., Ph.D. (Washington University)

Elia Kacapyr, Professor - B.A. (Maryland, College Park), Ph.D. (Georgia State)

William Kolberg, Associate Professor - B.A. (Valparaiso), M.S. (Tennessee, Knoxville), Ph.D. (University of Rhode Island)

J. Patrick Meister, Associate Professor - B.S. (Butler University), M.A., Ph.D. (Michigan)

Shaianne Osterreich, Associate Professor - B.A. (Central Connecticut State), Ph.D. (Utah)

Jennifer Tennant, Assistant Professor - B.A. (California, Berkeley), M.A. (Columbia University), Ph.D. (CUNY)

Stephen Younger, Scholar in Residence - B.A. (Miami University), M.A. Ph.D. (Stanford)

Education

John F. Claus, Associate Professor - B.A. (Pennsylvania), M.A., Ph.D. (Cornell University)

Cathrene M. Connery, Assistant Professor - B.F.A., M.Ed. (Illinois, Urbana-Champaign), M.Ed. (Adams State ), Ph.D. (New Mexico, Albuquerque)

Jeane Copenhaver-Johnson, Associate Professor - B.A., M.Ed., Ph.D. (University of Florida)
Katherine Crawford-Garrett, Assistant Professor - B.A. (Colgate), E.M. (Boston University), M.A. (Middlebury), Ed.D. (University of Pennsylvania)

Linda Hanrahan, Associate Professor - B.A. (Boston College), M.S. (Pennsylvania), E.D. (Rutgers)

Peter Martin, Assistant Professor - B.A., M.S. (University of Pennsylvania), Ed.D. (George Washington)

Teresa A. Michel, Instructor - B.S. (Ohio State), M.S. (SUNY, Cortland)

**English**

Derek Adams, Assistant Professor - B.A. (California State, Bakersfield), M.A. (Arizona, Tucson)

Elizabeth Bleicher, Associate Professor - B.A., M.A. (Georgetown), Ph.D. (University of Southern California)

Daniel Breen, Associate Professor - B.A. (Connecticut), M.A. (Yale), Ph.D. (Duke)

Hugh M. Egan, Professor - A.B. (Brown), M.A., Ph.D. (Iowa)

Claire Gleitman, Professor - B.A. (Wesleyan University), M.A., Ph.D. (New York University)

Christopher Holmes, Assistant Professor - B.A. (Bates College), M.A.T., Ph.D. (Brown University), M.A. (Middlebury)

Katharine O. Kittredge, Associate Professor - B.A. (Hamilton), M.A., Ph.D. (SUNY, Binghamton)

Leslie W. Lewis, Professor - B.A. (St. John’s College [MD]), M.A. (University of Virginia), Ph.D. (Indiana, Bloomington)

Christopher M. Matusiak, Assistant Professor - B.A., M.A. (Carleton), Ph.D. (Toronto [Canada])

Kevin Murphy, Professor - B.A. (City College [New York]), M.A., Ph.D. (Rochester)

Michael Stuprich, Associate Professor - B.A., M.A. (Tulane), Ph.D. (Southern Mississippi)

James Swafford, Associate Professor - B.A. (Kansas), M.A., Ph.D. (Duke)

Michael Twomey, Professor - B.A. (SUNY, Albany), A.M. (Boston College), Ph.D. (Cornell University), Dana Professor

Kirsten Wasson, Assistant Professor - B.A. (Wesleyan University), M.A. (SUNY, Binghamton), Ph.D. (Wisconsin, Madison)

**Environmental Studies and Science**

Susan M. Allen-Gil, Professor - B.S. (St. Lawrence), M.E.M. (Duke), Ph.D. (Oregon State)

Jacob C. Brenner, Assistant Professor - B.A. (Lawrence University), M.A., Ph.D. (Clark University)

Jason G. Hamilton, Associate Professor - B.A. (Grinnell), M.A., Ph.D. (California, Santa Barbara)

Christopher Sinton, Assistant Professor - B.A. (Middlebury), M.S., Ph.D. (Oregon State)

Sandra Steingraber, Distinguished Scholar in Residence - B.A. (Illinois Wesleyan), M.A. (Illinois State), Ph.D. (Michigan, Ann Arbor)

Anne Stork, Assistant Professor - B.A. (Mount Holyoke), Ph.D. (Cornell University)

**Gerontology Institute**

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Susan Durnford, Speech-Language Pathology and Audiology

Katharyn Howd Machan, Writing

Janice Elich Monroe, Recreation and Leisure Studies

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Kathryn Caldwell, Psychology

Charles Ciccone, Physical Therapy

Mary Turner DePalma, Psychology

Julie Dorsey, Occupational Therapy

Karen Edwards, Health Promotion and Physical Education

Bruce Henderson, Communication Studies

Julia Lapp, Health Promotion and Physical Education

Frank Micale, Exercise and Sport Sciences

Ernest Nalette, Physical Therapy

Michael Smith, History

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M. Raquibuz Zaman, Finance/International Business
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Eleanor Henderson, Assistant Professor - B.A. (Middlebury), M.F.A. (University of Virginia)

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School of Music

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Gary Chollet, Lecturer (part-time), Music Education - B.S., M.M. (Ithaca)

Pablo Cohen, Associate Professor, Classical Guitar - B.M. (Buenos Aires Conservatory [Argentina]), M.M., D.M.A. (Temple)

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Peter Rothbart, Professor, Electroacoustic Music - B.A. (Massachusetts, Amherst), B.M. (Eastman School of Music), M.M. (Ithaca), D.M.A. (Cleveland Institute of Music)

Gregory Rudgers, Lecturer (part-time), Music Education - B.M. (Ithaca), M.Ed. (Elmira College)

Steven Schopp, Lecturer (part-time), Music Education - B.S. (Ithaca), M.S. (Illinois, Urbana), Professional Diploma (Long Island University), Ed.D. (Columbia University)

Alex Shuhan, Associate Professor, French Horn - B.M. (Eastman School of Music), M.M. (Southern Methodist)

Elizabeth Shuhan, Lecturer (part-time) Music Education - B.M. (Southern Mississippi), M.M. (University of Arkansas)

Peter S. Silberman, Assistant Professor, Music Theory - B.M. (Oberlin), M.A., Ph.D. (Eastman School of Music)

Elizabeth P. Simkin, Associate Professor, Cello - B.M. (Oberlin), M.M. (Eastman School of Music)

George H. Smith, Lecturer (part-time), Music Education - B.M. (Ithaca), M.M. (Catholic University of America)

Gordon Stout, Professor, Percussion - B.M., M.M. (Eastman School of Music)

William Tiberio, Lecturer (part-time), Jazz Studies - B.M. (Ithaca), M.M. (SUNY, Fredonia)

Aaron Tindall, Assistant Professor, Euphonium & Tuba - B.M. (Pennsylvania State), M.M. (The Royal Northern College of Music [England]), D.M.A. (Colorado, Boulder)

Michael Titlebaum, Assistant Professor, Music Theory - B.M., M.M. (Eastman School of Music)

Nicholas Walker, Associate Professor, Double Bass - B.A. (Rice), M.M., D.M.A. (SUNY, Stony Brook)

Ivy Walz, Assistant Professor - B.M., M.M. (Ithaca)

Susan Waterbury, Associate Professor, Violin - B.M. (Ohio State), M.M. (Eastman School of Music)

Marc Webster, Assistant Professor, Voice - B.M. (Ithaca), M.M. (Eastman School of Music), Artist Diploma (Juilliard)

Chad West, Assistant Professor, Music Education - B.M. (Arizona State), M.M. (University of Georgia), Ph.D. (Michigan, Ann Arbor)

John W. White, Associate Professor, Music Theory - B.M. (Northern Colorado), M.M. (Ithaca), Ph.D. (Indiana, Bloomington)

Baruch Whitehead, Associate Professor, Music Education - B.M.E., B.A. (Cincinnati), M.F.A. (University of Florida), Ph.D. (Capella)

Dana Wilson, Professor, Music Theory, Composition - B.A. (Bowdoin), M.A. (University of Connecticut), Ph.D. (Eastman School of Music), Dana Professor

Robert Zazzara, Lecturer (part-time), Music Education - B.S. (SUNY, Fredonia), M.S. (Ithaca)
Wenging Zhang, Lecturer (part-time), Piano - B.M., M.M., D.M.A. (Eastman School of Music)

Professors Emeriti

The information below is current as of May 1, 2012.

Vicki L. Cameron - B.A., Ph.D., Charles A. Dana Professor Emerita, 2011
Pamela C. Gearhart - Diploma, Charles A. Dana Professor Emerita, 1995
Nancy Hirschland Ramage - B.A., M.A., Ph.D., Charles A. Dana Professor Emeritus of Anthropology, 2009
Joel Savishinsky - B.A., Ph.D., Charles A. Dana Professor Emeritus of Anthropology, 2009
Imre A. Tamas - B.S., M.S., Ph.D., Charles A. Dana Professor Emeritus of Biology, 2004
Justin Alexander - B.S., M.A., Ph.D., Professor Emeritus of Physical Therapy, 1995
Mary I. Arlin - B.S., M.M., Ph.D., Professor Emerita of Music, 2008
Marcia Ascher - B.S., M.A., Professor Emerita of Mathematics, 1996
Jules R. Benjamin - B.A., M.A., Ph.D., Professor Emeritus of History, 2010
William R. Bergmark - B.A., Ph.D., Professor Emeritus of Chemistry, 2005
John Bernard - B.S., M.S., Ph.D., Professor Emeritus of Biology, 2002
Mildred I. Brammer - B.A., M.S., Ph.D., Professor Emerita of Biology, 2001
Dorothy Buerk - B.S., M.A., Ph.D., Professor Emerita of Mathematics, 2004
Mary Ann Covert - B.M., M.A., Professor Emerita of Music, 1997
Andrew Ezergailis - A.B., M.A., Ph.D., Professor Emeritus of History, 2009
Françoise P. Gebhart - B.A., M.A., Professor Emerita of Modern Languages and Literatures, French 2011
Edward Gobrecht - Diploma, Professor Emeritus of Music, 1991
Sandra Herndon - B.A., M.A., Ph.D., Professor Emerita of Corporate Communications, 2008
Shirley O. Hockett - B.A., M.A., Professor Emerita of Mathematics, 1993
Barbara Johnson - A.B., M.A., Ph.D., Professor Emerita of Anthropology, 2012
Jane Kaplan - B.A., Ph.D., Professor Emerita of Modern Languages and Literatures, French, 2010
Martha M. Kelsey - B.A., M.S., Professor Emerita of Health and Physical Education, 1988
Heinz Koch - B.S., M.S., Ph.D., Professor Emeritus of Chemistry, 2009
Frederick Madden - B.A., M.A., Ph.D., Professor Emeritus of English, 2012
Aniello Massa - B.S., M.B.A., CPA, Professor Emeritus of Accounting, 1997
Linda M. McBride - B.A., M.A., Ph.D., Professor Emerita of Psychology, 2010
Paul W. McBride - A.B., M.A., Ph.D., Professor Emeritus of History, 2010
Earl McCarroll - B.A., M.A., Certificate, Professor Emeritus of Theatre Arts, 2010
Arthur McCue - B.F.A., M.F.A., Professor Emeritus of Art
David S. McKeith - B.A., M.A., Ph.D., Professor Emeritus of History, 2010
Susanne Morgan - B.A., M.A., Ph.D., Professor Emerita of Sociology, 2012
Marjorie S. Porterfield - B.S., M.M., Professor Emerita of Music, 2008
James Frederick Pritt - B.S., M.A., Ed.D., Professor Emeritus of Theatre Arts, 2010
Sarah Rich - B.S., M.A., Ph.D., Professor Emerita of Recreation & Leisure Studies, 2012
Mary Ann Rishel - B.A., M.A., M.F.A., Professor Emeritus of Writing, 2010
Anne Rodda, B.A., M.A., Professor Emerita of Modern Languages and Literatures, German, 2011
Ahren J. Sadoff - B.S., Ph.D., Professor Emeritus of Physics, 2004
Jan Saltzgaber - B.A., M.A., Ph.D., Professor Emeritus of History, 2001
Lucille A. Schmieder - A.B., M.S., Professor Emerita of Biology, 2001
George Schuler - B.A., M.S., Ph.D. Professor Emeritus of Psychology, 2011
Paulen A. Smith - A.B., M.S., Ph.D., Professor Emeritus of Physics, 2009
Charles Spencer - A.B., Ph.D., Professor Emeritus of Physics, 2007
Joseph F. Tempesta - B.A., M.A., Ph.D., Professor Emeritus of History, 2010
E. William Terwilliger - A.B., M.A., Ph.D., Professor Emeritus of English, 1994

Steven R. Thompson - B.S., M.S., Ph.D., Professor Emeritus of Biology, 2004
Glenn Vogel - B.S., M.S., Ph.D., Professor Emeritus of Chemistry, 2006
Jane Vogel - B.A., M.A., Ph.D., Professor Emerita of English, 2012

Administration

The information below is current as of May 1, 2012.

Office of the President

Thomas R. Rochon, A.B., A.M., Ph.D. (Michigan, Ann Arbor), President
Anthony Hopson, B.S., M.Ed. (Connecticut), Assistant Vice President for Community/Government Relations and Civic Engagement

Executive Officers

Marisa Kelly, B.A. (California State, Sacramento), M.A. (San Francisco State), Ph.D. (Kansas), Provost and Vice President for Academic Affairs
Eric Maguire, B.A. (Muhlenberg), M.S. (Indiana), Vice President for Enrollment Management
Brian J. McAree, B.S. (SUNY, Cortland), M.A. (Bowling Green State), M.P.S. (Loyola University), Vice President for Student Affairs and Campus Life
Nancy Pringle, B.A. (St. Rose), M.S., Ed.S. (SUNY, Albany), J.D. (SUNY, Buffalo), Vice President and College Counsel
Christopher Biehn, B.A. (Hobart College), Vice President for Institutional Advancement
Carl E. Sgrecci, B.S. (Ithaca), M.B.A. (Syracuse), CPA, Vice President for Finance and Administration

Academic Affairs

Office of the Provost and Vice President for Academic Affairs

Marisa Kelly, B.A. (California State, Sacramento), M.A. (San Francisco State), Ph.D. (Kansas), Provost and Vice President for Academic Affairs
Margaret Arnold, B.S. (University of New Hampshire), M.S. (Florida State), Ph.D. (Illinois, Urbana-Champaign), Special Assistant to the Provost
David E. Garcia, B.A.(Yale), M.A., Ph.D. (Cornell University), Associate Provost
Robert Gearhart, B.S., M.S. (Ithaca), Assistant to the Provost for Online Learning and Extended Studies
Carol G. Henderson, B.A. (St. Lawrence), M.A. (Denver), Ph.D. (Oregon), Associate Provost

Danette Johnson, B.A. (West Virginia Wesleyan College), M.A. (West Virginia University), M.A., Ph.D. (Northwestern University), Director of Core Curriculum

Tanya R. Saunders, B.A. (Bucknell), M.A., Ph.D. (Brown), Assistant Provost for International Programs and Special Projects

TBA, Director of Research

School of Business

Mary Ellen Zuckerman, B.A. (Simmons), M. Phil., Ph.D. (Columbia University), Dean

Barbara Howard, A.A., A.S., B.S., M.B.A. (Rochester Institute of Technology), Associate Dean

Ayana Richardson, B.S. (New York University), M.S. (Roosevelt), Assistant Dean for Student Services

Roy H. Park School of Communications

Diane Gayeski, B.S. (Ithaca), M.S., Ph.D. (University of Maryland), Dean

Virginia Mansfield-Richardson, B.A. (Ohio), M.P.A. (George Mason), Ph.D. (Ohio), Associate Dean

Brian Roberts, B.A., M.A., Assistant Dean for Student Services

David Priester, B.S. (Ithaca), Director of Media Production Facilities and Services

Stephen Tropiano, B.S. (Ithaca), M.A. (New York University), Ph.D. (University of Southern California), Director/Associate Professor, Los Angeles Program

School of Health Sciences and Human Performance

Linda Petrosino, B.S., M.S. (Ithaca), Ph.D. (Ohio University), Dean

John Sigg, B.S. (Ohio State), M.S. (University of Florida), Ph.D. (Toledo), Associate Dean

Patricia E. Green, B.A. (Hofstra), M.A.T. (Cornell University), M.B.A., Ed.D. (Hofstra), Associate Dean

School of Humanities and Sciences

Leslie W. Lewis, B.A. (St. John’s [Maryland]), M.A. (University of Virginia), Ph.D. (Indiana University), Dean

Stacia Zabusky, A.B. (Harvard), M.A., Ph.D. (Cornell University), Associate Dean for Faculty Development & Administration

Kathy Lucas, B.S., M.S. (Ithaca), Assistant Dean for Student Services

School of Music

Craig C. Cummings, B.M.E., M.M., Ph.D. (Indiana, Bloomington), Interim Dean

David E. Pacun, B.A. (Swarthmore), M.A., Ph.D. (University of Chicago), Interim Associate Dean

New York City Program

Hersey Eggington, II, B.A. (Middlebury), M.A. (Syracuse), M.A., M.A. (Columbia), Director

Academic Enrichment Services

Yolanda Clarke, B.S. (Louisiana, Monroe), M.Ed. (Pennsylvania State), Director

Center for Faculty Excellence

Wade Pickren, B.A. (Central Florida), M.S., Ph.D. (University of Florida), Director

Institutional Research

Martha Gray, B.S. (North Carolina State), M.S. (Ithaca), Director

Library

Lisabeth Chabot, B.S. (Miami University), A.M.L.S. (Michigan, Ann Arbor), College Librarian

James Bondra Jr., B.S., M.S. (SUNY College, Buffalo), M.L.S. (SUNY, Buffalo), Business Librarian

Bridget K. Bower, B.A. (Swarthmore), M.A. (Earlham), M.L.S. (Syracuse), Librarian/College Archivist

Ron Gilmour, B.A. (Florida State), M.S., M.L.S. (North Carolina, Chapel Hill), Web Services Librarian

John R. Henderson, B.A. (Westminster [Pennsylvania]), M.L.S. (Pittsburgh), Social Sciences Librarian

Laura S. Kuo, B.A., M.L.S. (McGill University), M.P.A. (City University of New York, Baruch), Health Sciences Librarian

Catherine Michael, B.A., M.L.S. (Rutgers), Communications Librarian

Brian Saunders, B.A., M.A., Ph.D. (Cornell University), M.L.S. (Simmons College), Humanities Librarian


Jennifer Strickland, B.A., M.A. (SUNY, Binghamton), M.L.S. (Syracuse), Fine Arts Librarian

Karin Wikoff, B.A. (Wells), M.A. (Cornell University), M.L.S. (Syracuse), Electronic and Technical Services Librarian

Calida Alli Barboza, B.A. (Edinboro University of Pennsylvania), M.A. (Youngstown State), M.S. (Drexel), Electronic Resources Librarian
Registrar
Brian D. Scholten, B.S. (Bryant), M.Ed. (South Carolina, Columbia), Registrar

State Grants
Orlando-Marquez C. Kittrell, B.A., B.A., B.A., M.S. (Mansfield), Ph.D. (California Coast), Director

Student Disability Services
Linda Uhl, B.A. (SUNY, Potsdam), M.S.W. (Syracuse), Acting Director

Enrollment and Communication
Eric Maguire, B.A. (Muhlenberg), M.S. (Indiana), Vice President for Enrollment Management

Admission
Gerard Turbide, B.A. (SUNY, Potsdam), M.Ed. (St. Lawrence), Director

Enrollment Planning
Yuko Mulugetta, B.A. (Tsuda College [Japan]), M.B.A. (Cornell University), Ph.D. (Wisconsin, Madison), Director

Marketing Communications
Rachel Reuben, A.S., B.S., M.B.A. (SUNY, New Paltz), Associate Vice President

Student Financial Services
Lisa Hoskey, B.A. (Hamilton), M.S.Ed. (Utica), Director
Anne E. Woodard, B.A. (SUNY, Cortland), B.S. (Ithaca), Bursar/Associate Director for Operations

Finance and Administration
Carl E. Sgrecci, B.S. (Ithaca), M.B.A. (Syracuse), CPA, Vice President

Business and Finance
Robert Cree, B.S. (SUNY Empire), M.B.A. (Ithaca), Associate Vice President

Human Resources
Mark Coldren, B.A., M.S. (Syracuse), Associate Vice President

Information Technology
Edwin W. Fuller Jr., B.A. (SUNY, Oswego), Associate Vice President

Facilities
Richard Couture, B.A. (University of Vermont), Associate Vice President

Legal Affairs
Nancy Pringle, B.A. (St. Rose), M.S., Ed.S. (SUNY, Albany), J.D. (SUNY, Buffalo), Vice President and General Counsel
Traevena Byrd, B.A., J.D. (Iowa), Associate Counsel and Director of Equal Opportunity Compliance

Institutional Advancement
Christopher M. Biehn, B.A. (Hobart College), Vice President

Individual Planned Giving
Kathryn Noonan, B.S. (Cornell University), Director

Institutional Advancement Administration
Lori S. Staba, B.S. (Ithaca), Director

Alumni Relations
Gretchen Van Valen, B.S. (West Chester University of Pennsylvania), M.M. (Ithaca), Director

Student Affairs and Campus Life
Brian J. McAree, B.S. (SUNY, Cortland), M.A. (Bowling Green State), M.P.S. (Loyola University), Vice President
Rory Rothman, B.A. (SUNY, Binghamton), M.S. (SUNY, Albany), Associate Vice President
Roger Richardson, B.A., M.S. (Wisconsin, Stout), Ph.D. (New York University), Associate Vice President & Dean, First Year Experience

Campus Center and Events Services
David Prunty, B.A. (West Virginia Wesleyan), M.A. (Indiana University of Pennsylvania), Director

Career Services
John Bradac, B.S., M.S. (Gannon), Director

Chaplains
Meredith Ellis, B.A. (Goddard College), M.Ed., M. Div. (Boston University), Protestant
Michael Faber, B.A. (Yeshiva), Jewish
Carsten P. Martensen S.J., B.A. (Marist), M.Div. (Weston Jesuit School of Theology, M.S.Ed. (Northern Illinois), Catholic

Counseling and Wellness
Deborah Harper, B.A., M.A., Ph.D. (Texas Tech), Director

J. David Hammond Health Center
Erin Hall-Rhoades, B.A. (Oberlin), M.D. (University of Vermont School of Medicine), Assistant Director
Vivian C. Lorenzo, B.S. (Michigan, Ann Arbor), M.D. (McGill [Canada]), Physician
Ellyn P. Sellers-Selin, B.A. (Hartwick), M.D. (SUNY, Buffalo), Physician

**Intercollegiate Athletics and Recreational Sports**

Kenneth Kutler, B.S. (East Stroudsburg), Ed.M. (Temple), Ed.D. (West Virginia University), Director
Michael Lindberg, B.A. (LeMoyne), M.S. Ed. (Indiana, Bloomington), Associate Director of Intercollegiate Athletics
William Austin, B.S. (Michigan, Ann Arbor), Tennis
Andrew Byrne, B.S. (Plymouth State), M.S. (Eastern Illinois), Men’s Soccer
Janet Donovan, B.S., M.S. (SUNY, Cortland), Volleyball
Shannon McHale, B.S. (SUNY, Brockport), M.S. (Ithaca), Women’s Lacrosse
Tracey Houk, B.A. (North Carolina, Chapel Hill), M.S. (Ohio), Field Hockey
Jeffrey J. Long, B.S. (United States Naval Academy), M.S. (SUNY, Alfred), Men’s Lacrosse
Kevin Markwardt, B.S., M.S. (SUNY, Cortland), Men’s Swimming
Paula Miller, B.S. (Bridgewater State), M.S. (Indiana State), Women’s Swimming
Jim Mullins, B.S. (University of Connecticut), M.S. (Ithaca), Men’s Basketball
James Nichols, B.A. (North Central College), M.S. (Indiana, Bloomington), Men’s Cross-Country/Men’s Track
Marty Nichols, B.S. (Ithaca), M.S. (SUNY, Cortland), Wrestling
Deborah Pallozzi, B.S. (SUNY, Cortland), M.S. (Ithaca), Softball
Jennifer Potter, B.A. (Ithaca), M.A., (Marshall), Women’s Track
Melinda Quigg, B.A. (William Smith), M.B.A. (West Virginia Wesleyan), Women’s Soccer
Daniel Raymond, B.S. (SUNY, Cortland), M.S. (Le Moyne), Women’s Basketball
Becky Robinson, B.S., M.S. (Ithaca), Women’s Crew
Dan Robinson, B.S., M.S. (Ithaca), Men’s Crew
Richard Suddaby, B.S., M.S. (SUNY, Cortland), Gymnastics
George Valesente, B.S., M.S. (Ithaca), Baseball
Michael W. Welch, B.S. (Ithaca), M.S. (SUNY, Albany), Football
Daniel Wood, B.A. (Tufts), Ph.D. (Cornell University), Golf
TBA, Women’s Cross-Country

**Public Safety and Emergency Management**

Terri A. Stewart, B.S. (Syracuse), Director

**Residential Life and Judicial Affairs**

Bonnie Solt Prunty, B.S. (Lehigh), M.A. (Indiana University of Pennsylvania), Director/Assistant Dean-First Year Experience

**Student Engagement and Multicultural Affairs**

Michele Lenhart, B.S., M.S. (SUNY, Geneseo), Director of Student Leadership and Involvement
Erica L. Shockley, B.A. (Clemson), M.A. (Appalachian State), Director of First-Year Experience
Malinda B. Smith, B.A. (Ithaca), Director of Multicultural Affairs
ACCT - Accounting

ACCT 10000 - Fundamentals of Federal Income Taxation of Individuals (1.5)
An introduction to the issues encountered in personal income taxation. This course will present a practical approach that will prepare students to participate in the volunteer income tax preparation program and to prepare their own tax returns; credits earned in this course will not count toward an accounting degree requirement. This is a block I course. Prerequisites: BINT 10100 or MGMT 11100; not open to students with junior or senior standing. 1.5 credits. (F,Y)
Distribution: NLA.

ACCT 10100 - Service Learning Tax Practicum (1.5)
A supervised work experience in tax return preparation at the basic level for the Ithaca College and surrounding community. Students must successfully pass the IRS VITA (Volunteer Income Tax Assistance) tax preparer exam at the basic level; credits earned in this course will not count toward an accounting degree. This is a block I-only course. Prerequisites: ACCT 10000: not open to students with junior or senior standing. 1.5 credits. (S,Y)
Distribution: NLA.

ACCT 10300 - Minicourses in Accounting (1.5)
Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)
Distribution: NLA,UND.

ACCT 10301 - Minicourses in Accounting (1.5)
Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)
Distribution: NLA.

ACCT 10302 - Minicourses in Accounting (1.5)
Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)
Distribution: NLA.

ACCT 10303 - ST Mini-Courses in Accounting (1.5)
Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)
Distribution: NLA.

ACCT 22400 - Reporting and Decision Making in Integrated Marketing Communication (3)
Theory and procedures used to gather financial information and to present formal financial statements of a business enterprise. Emphasis on analyzing decision-making situations and the use of quantitative techniques used in financial and managerial accounting. Prerequisites: STCM 10300; sophomore standing. Enrollment limited to CMD and IMC majors. 3 credits. (Y)
Distribution: NLA.

ACCT 22500 - Financial Accounting (3)
Introduction to the basic measurement and reporting concepts underlying the accounting system for communicating financial information to users external to the organization and to internal managers. Topics include information processing, preparation of financial statements, the role of ethics in accounting decisions, analysis of financial data, and valuation and reporting issues for assets, liabilities, stockholders' equity, revenues, and expenses. Projects require team activities and written reports. Prerequisites: Sophomore standing or above. 3 credits. (F-S,Y)
Distribution: NLA.

ACCT 22600 - Management Accounting (3)
Study of the uses of accounting information in managerial decision making, planning, and control within the firm. Areas examined are cost estimation; budgets; short-, intermediate-, and long-term planning; product costing; and special reports for managerial use. Emphasizes the uses of accounting outputs in the decision-making process rather than the concepts and methodology of accumulating accounting information. Projects include the use of basic computerized spreadsheets. Prerequisites: ACCT 22500; sophomore standing. 3 credits. (F-S,Y)
Distribution: NLA.

ACCT 31500 - Cost Analysis and Decision Making (3)
A study of various cost systems, theories, and models of cost and revenue behavior. The course focuses on cost management, cost analysis, and both structured and unstructured decision making with cost information. Product costing and the interface with the financial
reporting system will also be covered. Prerequisites: ACCT 22600; junior standing. 3 credits. (S,Y)

Distribution: NLA.

ACCT 32000 - Accounting Information Systems (3)

Acquaints students with the functions, design, implementation, and documentation of information systems. The general topic of information systems, focusing on accounting applications (both financial and managerial), is covered. Extended coverage of transaction processing, internal controls, and computer security. Prerequisites: COMP 11000 or COMP 17100; ACCT 22600; junior standing. 3 credits. (IRR)

Distribution: NLA.

ACCT 34500 - Intermediate Accounting I (3)

This course covers essential topics related to balance sheet valuation and income measurement. Includes an overview of generally accepted accounting principles, financial statements, cash, accounts receivable, inventories, operating assets, current and long-term liabilities, cash flows, and revenue recognition. Prerequisites: ACCT 22500; junior standing. 3 credits. (F,Y)

Distribution: NLA.

ACCT 34600 - Intermediate Accounting II (3)

This course is a continuation of ACCT 34500 Intermediate Accounting I. It covers complex topics related to balance sheet valuation and income measurement and includes both topical coverage and reporting considerations. Students are expected to deal with detailed pronouncements and the advanced concepts in Intermediate Accounting, such as accounting for pensions, income taxes, earnings per share, and accounting changes. Reporting issues and requirements are also covered. Prerequisites: ACCT 34500; junior standing. 3 credits. (S,Y)

Distribution: NLA.

ACCT 39700 - Selected Topics in Accounting (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

ACCT 39800 - Field Experience: Accounting (0)

Off-campus experience requiring a minimum of 35 hours of work in an organization, designed to give students practical work experience in their field of specialization. Students should contact the internship coordinator for registration information and application. Prerequisites: ACCT 22600; junior standing. (P/F only). 0 credit (IRR)

Distribution: NLA.

ACCT 40200 - Advanced Accounting (3)

In-depth analytical study of special problems in financial accounting. Continuous emphasis is placed on the relationship between theory and practice to reflect the latest professional pronouncements. Highly technical topics related to corporation, partnership, government, and not-for-profit organizations, including consolidation, branch and consignment, reorganization and liquidation, foreign transactions, and essentials of accounting for governmental and not-for-profit organizations. Prerequisites: ACCT 34600; junior standing. 3 credits. (S,Y)

Distribution: NLA,UND.

ACCT 40600 - Auditing (3)

Theory of independent examinations of financial statements. Discussion of relationships with clients; working papers; audit procedures, including evaluations of internal control; accounting principles; preparation of reports; accountant's liability; and professional ethics. Prerequisites: ACCT 34600; junior standing. 3 credits. (F,Y)

Distribution: NLA.

ACCT 49300 - Tax Accounting (3)

Introductory course in taxation covering structure of present tax law; bases for income tax computations; and concepts of gross income, adjusted gross income, deductions, exemptions, and credits. Emphasis is on tax questions and problems relating to individuals. A student may not receive credit for both this course and ACCT 31100. Prerequisites: ACCT 34500; junior standing. 3 credits. (F,Y)

Distribution: NLA.

ACCT 49400 - Advanced Accounting (3)

Advanced study of income tax provisions relating to individuals, corporations, and partnerships. Sophisticated tax provisions, such as corporate liquidations, capital charges, stock options, and pension plans. Solutions to complex tax problems through use of a tax service; practical experience in locating applicable code sections, regulations, IRS rulings, and court decisions; class presentations. Prerequisites: ACCT 49300; junior standing. 3 credits. (IRR)

Distribution: NLA,UND.

ACCT 49600 - Practicum in Tax Accounting (3)

Supervised work experience in tax return preparation and tax advocacy that mirrors tax practice in accounting firms. Students undertake an intensive course preparing tax forms for individuals and must successfully pass the IRS VITA volunteer tax preparer exam. Students then are responsible for maintaining the professional requirements of the established tax practice. Tax returns are computerized and
electronically filed. Students and faculty utilizing collaborative learning strategies provide tax advocacy and disseminate information to taxpayers who have English as a second language. Professional skills are emphasized. Prerequisites: ACCT 49300 or junior standing with instructor permission. 3 credits. (S, Y)

Distribution: NLA.

ACCT 49700 - Selected Topics: Accounting (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

ACCT 49800 - Internship with Academic Enhancement (3)
Off-campus experience involving varied, nonroutine work projects designed to allow students to synthesize academic theory with real-world operations of an organization. Primary responsibility is on the student to develop a project proposal and then carry out its requirements in conjunction with a faculty sponsor. Internship credit falls under the business elective category in the degree requirements. A maximum of 6 credits may be earned in any combination of internship (ACCT/FINA/HRM/INTB/MGMT/MKTG/MGMT 49800) and GBUS 39800. Prerequisites: Senior standing; completion of appropriate principles course; a minimum cumulative GPA of 2.70; Business-Link Professions Themes I, II & III; completion of School of Business internship application and permission of instructor. Pass/fail only. 3 credits. (F, S, SUM, W)

Distribution: NLA.

ACCT 49900 - Independent Study: Accounting (1 to 3)
A variable amount of credit may be earned toward the degree. To qualify, students must have a 3.00 cumulative grade point average and must have completed at least 6 credits in the subject matter. Guidelines are available in the School of Business dean's office. 1-3 credits.

Distribution: NLA.

ANTH - Anthropology

ANTH 10300 - Biological Anthropology (3)
Introduces the study of humans as biological beings, including evolutionary principles, primate behavior, the fossil record of human evolution, and biological variation in modern populations resulting from various factors. 3 credits. (F-S, Y)

Distribution: 2A, LA, NS.

ANTH 10400 - Cultural Anthropology (3)
Explores the diversity of the world's societies, including "primitive" hunter-gatherer societies, herding pastoralists, peasant agriculturalists, and industrial peoples in rural and urban places. It emphasizes the role of culture in shaping human adaptations and human actions, and promotes understanding of other cultures. This course examines the way anthropologists do fieldwork, and looks at the contributions anthropology can make to an understanding of modernization, social change, urbanization, race relations, and cross-cultural communication. Reflecting the research experiences of individual professors, different sections of this course emphasize different cultures or regions of the world. 3 credits. (F-S, Y)

Distribution: 1, G, LA, SS.

ANTH 10700 - World Archaeology (3)
Discusses the major achievements of prehistoric humans -- from the beginning of culture circa 2.5 million years B.C. to the rise of the earliest civilizations a few thousand years ago. 3 credits. (F or S, Y)

Distribution: 1, G, H, LA, SS.

ANTH 14500 - Service Learning in Native America (3)
Field-based introduction to the history, struggles, and contemporary efforts at revitalization of Native American communities, with a focus on contributing and giving back to local Native cultures. Reading combined with hands-on activities and field experiences in the homeland of Native Americans. 3 credits. (SU, Y)

Distribution: LA, SS.

ANTH 15400 - Crossing Cultures: The Anthropology of International Travel (3)
Examines tourism and travel in their various forms and the issues raised, including tourism's social impact and role in globalization, and introduces an anthropological perspective on the process of crossing cultures. In addition, the course explores such anthropological concepts as culture, ethnocentrism, cultural relativism, value conflict, and culture shock, relying on both first-person and novelist descriptions by anthropologists and other travelers, as well as analyses by tourism professionals. In the process, students consider the qualitative difference between tourism and travel -- from the perspective of both hosts and guests -- with a goal of becoming more introspective tourists and travelers. 3 credits. (IRR)

Distribution: LA.

ANTH 19000 - Selected Topics in Anthropology (3)
Special courses may be offered at the introductory level that encompass broad anthropological interest or issues. This course may be repeated for credit for different selected topics. 3 credits. (IRR)

Distribution: 1, G, H, LA, SS.
ANTH 21100 - Introduction to Primates (3)

This is a survey course of the mammalian order Primates (lemurs, monkeys, and apes). After an introduction to general primate evolution, taxonomy, phylogeny, and characteristics, a different taxonomic group is reviewed each week. Topics such as the geographic distribution, anatomy, behavior, ecology, and conservation status of the focal taxa are discussed. Students also learn behavioral observation methodology and conduct a zoo study on the nonhuman primate and topic of their choice. Prerequisites: ANTH 10300 or BIOL 12200 or BIOL 27100. 3 credits. (IRR)

Distribution: 2A,LA,NS.

ANTH 22500 - South Asia: India and Its Neighbors (3)

Exploration of cultural diversity in South Asia with focus on India; introduction to Pakistan, Bangladesh, Sri Lanka, Nepal, and the Tibetan diaspora. Background survey of the subcontinent's ecology and history provides a framework for examining themes of unity and diversity in contemporary village life, urbanization, family and gender relations, caste and class, religion and ritual, classical and folk arts, cinema, and movements for social change. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (F or S,Y)

Distribution: 1,G,LA,SS.

ANTH 22600 - East Asia: Gender and Identity (3)

Study of race and gender relations in East Asia from a comparative perspective that goes beyond dichotomies of East and West. Examination of the dynamics of gender and race in the contemporary world. Prerequisites: ANTH 10400. 3 credits. (S,O)

Distribution: LA,SS.

ANTH 22800 - Critical Issues in Asian America (3)

Focuses on Asian American experiences and identities past and present within the framework of anthropological concepts including ethnicity, race, authenticity, and transnationalism. Prerequisites: ANTH 10400. 3 credits. (F,E)

Distribution: LA,SS.

ANTH 24000 - Environmental Archaeology: Human Impact in the Past and Present (3)

This course examines the interrelationship between humans and their environments from a long-term archaeological perspective. This course emphasizes archaeological, geological, and botanical methods and analytical techniques used for long-term environmental reconstruction. Cross-listed as ENVS 23000. Students may not earn credit for both ANTH 23000 and ENVS 23000. Prerequisite: ANTH 10400 or ANTH 10700. 3 credits (S,Y)

Distribution: LA,SS.

ANTH 24100 - Modern Africa (3)

Focuses on processes at work in contemporary black Africa, rural as well as urban, colonial as well as independent. Themes include the colonial legacy; cultural change and continuity; urbanization; approaches to economic development and political modernization; and liberation movements. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (F or S,Y)

Distribution: 1,G,H,LA,SS.

ANTH 25000 - Human Variation: "Race," Biology, and Culture (3)

Focuses on human variation from a biological as well as an anthropological perspective. Topics covered will include traits of inheritance, human variability and behavior, intelligence testing, and adaptations to various ecosystems. Students will conduct research on human variation. Prerequisites: One of the following: ANTH 10300, ANTH 10400, BIOL 12100, BIOL 12200, BIOL 27100. 3 credits. (IRR)

Distribution: 2A,LA,NS.

ANTH 25100 - People, Plants, and Culture: Ethnobotany and Archaeobotany (4)

This course is an examination of the present and past interrelationships between people and plants. Students study plants as food, medicine, materials, and religion throughout the human experience, focusing on non-Western peoples. Topics include plant domestication and developmental trajectories, ethnopharmacology, Native American plant use, oral histories, and shaman-hallucinogen complexes. Also explored are the roles plants play in shaping culture and cultural change, defining social boundaries, and creating status. The final portion of the class considers important current topics and debates, such as bioprospecting, genetic modification, and intellectual property rights. Prerequisites: ANTH 10400 or ANTH 10700. 4 credits. (S,O)

Distribution: LA,SS.

ANTH 25500 - Human Evolution (3)

How have humans evolved anatomically, biologically, behaviorally, and culturally over the last seven million years? The course tracks major events and evidence for human origins, with an emphasis on the reconstruction of behavior from paleontological and anatomical remains, and reviews recent finds, examines casts of fossils, and discusses the evidence for competing theories concerning our hominid ancestors. Prerequisites: One of the following: ANTH 10300, BIOL 12100, BIOL 12200, BIOL 22700. 3 credits. (IRR)

Distribution: 2A,LA,NS.

ANTH 26500 - South American Archaeology (3)
An examination of the prehistory of the South American continent from the earliest evidence of occupation until the appearance of Europeans in the 16th century. Emphasis is placed on the cultural developments of western South America, especially Peru, due to the extensive archaeological record in that area; those cultural developments are placed in the context of the prehistory of the rest of the continent as well. Particular attention is paid to the mechanisms of cultural adaptation and cultural evolution. Prerequisites: ANTH 10400 or ANTH 10700. 3 credits. (S,O)
Distribution: 1,G,H,LA,SS.

ANTH 26900 - Mesoamerican Archaeology (3)
An examination of the origins and development of the Aztec, Maya, and other civilizations of Mexico and Central America, from the first human occupation of the region to the Spanish Conquest. The course uses evidence from archaeology and the writings of pre-Columbian and European chroniclers to reconstruct the lifeways of ancient Mesoamerican cultures and to examine the processes that propelled their evolution. Prerequisites: ANTH 10400 or ANTH 10700. 3 credits. (F,O)
Distribution: 1,G,H,LA,SS.

ANTH 27000 - North American Indians (3)
Seminar on Indian culture and background, as well as contemporary Indian problems in the continental United States. Readings on the rich and varied heritage of American Indians research and presentations on current problems facing specific Indian groups. Prerequisites: ANTH 10400 or ANTH 10700. 3 credits. (Y)
Distribution: 1,H,LA,SS.

ANTH 27300 - The Iroquois and Their Neighbors (3)
Traces the development and current state of the Iroquois people, a vibrant and powerful Native American society of the Northeast. Looks at how the Iroquois developed out of earlier societies and what role European contact played in their development. A substantial part of the course will be an assessment of the Iroquois today, including their social, economic, and political institutions. Additional information on neighboring societies, past and present, and their interactions with the Iroquois will also be addressed. Prerequisites: ANTH 10400. 3 credits. (IRR)
Distribution: 1,H,LA,SS.

ANTH 27500 - North American Archaeology (3)
A survey of the origin and development of native North American cultural from their appearance on the continent to their contact with Europeans. In addition to describing North American culture history, the course aims to instill in students an appreciation for the diversity and accomplishments of Native American cultures. Topics to be discussed include when humans arrived in North America, the origins of agriculture, and the rise of complex societies. Prerequisites: ANTH 10400 or ANTH 10700. 3 credits. (Y)
Distribution: 1,H,LA,SS.

ANTH 27700 - Native Americans and the Environment (3)
This course gives a range of perspectives on the relationships between Native Americans and the environment revolving around anthropological concepts, such as culture, ecology, and colonialism. Based on the centrality of land to Native culture and the connections between land and the sacred, students explore how land-people relations were reworked and misinterpreted following Western colonization. Topics include environmental racism, environmental justice, and the influence of government policies regarding Native access, use, and control of indigenous lands. Case studies from throughout North America, including upstate New York, exemplify conflicts over Native sacred sites and instances where Native people are revitalizing their cultures, comanaging lands such as national parks, and developing educational outreach programs. Prerequisites: ANTH 10400. 3 credits. (S,E)
Distribution: 1,LA,SS.

ANTH 27800 - Northeastern Native Americans: Past and Present (3)
An examination of the past and present of indigenous peoples throughout northeastern North America. A background survey of the archaeological chronology covers groups ranging from hunter-gatherers to great confederacies. Themes that cut across time periods and regions of the Northeast are studied, such as cultural ecology, resource use, gender, migrations, plant cultivation, ritual, ideology, and politics. The effects of the Euro-American contact period and the Revolutionary War are examined. Local contemporary issues discussed include revitalization movements, land claims, gaming, and the negotiation/survival of tradition. Prerequisites: ANTH 10400 or ANTH 10700. 3 credits. (F,E)
Distribution: LA,SS.

ANTH 28100 - Anthropology of Hawaii (3)
An anthropological examination of the history and cultures of Hawaii from the original Hawaiian settlement to the present day, covering general themes such as religion, language, farming, performance arts, and political life. In addition, Western colonialism, the arrival of Christian missionaries, the creation of sugar plantations, and American annexation are examined as major forces for cultural destruction and transformation. Attention is paid to the significance of immigrant populations from such places as the United States, China, and Japan and their roles in this historic transformation of Hawaii. Prerequisites: ANTH 10400 or ANTH 10700. 3 credits. (F,E)
ANTH 28300 - Integrative Health Care in American Culture (3)
Utilizes a cultural framework to analyze the rapidly expanding and dynamic arena of alternative, complementary, and integrative health care in the United States. Through an anthropological lens, the course examines the history, scope, cross-cultural bases, and theoretical foundations of the many healing modalities that are employed in integrative approaches, including Chinese medicine, Ayurveda, Native American healing, herbalism, chiropractic, naturopathy, and homeopathy. Multiple paradigms of health and culture are examined, identifying areas of debate and convergence. Both quantitative and qualitative approaches to the study of health, culture, and society are examined, in addition to the politics of integrative health care as it relates to political economy, licensing, status, ethnicity, and gender. Prerequisites for anthropology majors and minors: ANTH 10400. Prerequisites for others: Sophomore standing; one introductory course in the social sciences. 3 credits. (F-Y)

Distribution: LA, SS.

ANTH 28600 - Anthropology of the Paranormal (3)
Anthropological frameworks are utilized to examine cross-cultural beliefs and practices related to the paranormal or extraordinary. Topics integral to this study include religion, mythology, healing, ritual, and science. Emphasis will be given to the role of beliefs in spirits and ghosts, mediumship, and related ritual activities in American culture. Prerequisites: ANTH 10400. 3 credits. (F, IRR)

Distribution: LA, SS.

ANTH 28700 - Ethnomusicology Lab (3)
Experiential lab in anthropology and ethnomusicology providing a forum for students to acquire ‘hands-on’ musical skills in indigenous musical systems. Focus on cultural expression through music in non-western contexts. Open to students with no previous musical training or practical experience. Fees for trips and music lab. Prerequisites: ANTH 10400. 3 credits. (S, Y)

Distribution: 3B, LA, SS.

ANTH 28800 - The Theory and Practice of Anthropology (3)
This course provides a history of the field of anthropology, from its origins through the late 20th century. It focuses on major themes and schools of thought that have influenced the direction and perspective of anthropologists. The course covers major trends in cultural anthropology, archaeology, and biological anthropology to provide the historical background and theory that a serious student of anthropology should have. Prerequisites for anthropology majors and minors: ANTH 10400. Prerequisites for others: Sophomore standing; permission of instructor. 3 credits. (S, Y)

Distribution: LA, SS.

ANTH 29000 - Seminar in World Ethnography: Selected Topics (3)
Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

Distribution: LA, SS.

ANTH 29001 - Seminar in World Ethnography: Selected Topics (3)
Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

Distribution: LA, SS.

ANTH 29002 - Seminar in World Ethnography: Selected Topics (3)
Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

Distribution: LA, SS.

ANTH 29003 - Seminar in World Ethnography: Selected Topics (3)
Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

Distribution: LA, SS.

ANTH 29004 - Seminar in World Ethnography: Selected Topics (3)
Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

Distribution: LA, SS.

ANTH 29005 - Seminar in World Ethnography: Selected Topics (3)
Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

Distribution: LA, SS.

ANTH 29006 - Seminar in World Ethnography: Selected Topics (3)
Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

**Distribution:** LA,SS.

**ANTH 29007 - Selected Topics: Seminar in World Ethnography (3)**

Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

**Distribution:** LA,SS.

**ANTH 29008 - Seminar in World Ethnography: Selected Topics (3)**

Focus on particular geographic areas not generally covered in other upper-level regional courses, such as Polynesia, Latin America, and the Middle East. Prerequisites: ANTH 10400 or ANTH 12900. 3 credits. (Y)

**Distribution:** LA,SS.

**ANTH 30200 - Anthropological Field Methods (3)**

Introduction to research techniques used in fieldwork, including philosophy of science, research design, data gathering, data recording, data analysis, basic statistics, report writing, and ethics in fieldwork. Research project. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (F or S,Y)

**Distribution:** LA,SS.

**ANTH 30500 - Archaeological Methods and Techniques (4)**

Focus on the ways that archaeologists discover, analyze, interpret, and explain the lifestyles of past cultures. The course is arranged in the way that archaeologists approach the solution of a research problem. Topics include the nature of archaeological evidence, how data are obtained through survey and excavations, the many kinds of analysis that archaeologists use to identify past lifeways, the techniques of dating sites, and how entire prehistoric culture systems are reconstructed. Also included are discussions of the use of theory in explaining cultural change and cultural processes, the field of cultural resources management, and ethics in archaeology. Prerequisites: ANTH 10400 or ANTH 10700 and either one 200-level anthropology course or junior standing and one additional social science course. 4 credits. (F,E)

**Distribution:** LA,NS.

**ANTH 30600 - Biological Anthropology Methods and Techniques (4)**

Explore the research designs and methods, data collection and analyses, and theories in the broad field of biological anthropology. Examine scholarly scientific journal articles and studies of humans within the framework of evolution that emphasize the interaction between biology and culture. Gain hands-on experience in several subdisciplines of biological anthropology, including genetics, osteology, anatomy, forensic anthropology, primatology, paleoanthropology, and anthropometry. Conduct a research project in biological anthropology. Prerequisites: ANTH 10300 and at least two of the following: ANTH 21100, ANTH 25000, ANTH 25500, ANTH 31100, ANTH 37100, ANTH 41100. 4 credits. (IRR)

**Distribution:** 2A,LA,NS.

**ANTH 31000 - Culture and Personality (3)**

Effect of various cultural systems on the development of individual personalities and the influence of the individual on his or her cultural environment. Cultural patterning of sex roles; social influences on cognition and perception; development of language and thought systems in childhood socialization; cultural handling of aggression; problems in the description of personalitiy; cultural concepts of “normal” and “abnormal” behavior; cultural use of mind-altering substances (drugs, alcohol) that affect personality; and how people define and respond to stress, tension, and change in different cultures. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

**Distribution:** LA,SS.

**ANTH 31100 - Primate Behavior and Ecology (3)**

Primates are among the most social animals. Why do nonhuman primates behave as they do? This course seeks to answer this question by reviewing the extensive variation in primate behavior and ecology and the evolutionary basis of the differences. The emphasis is on understanding the adaptive significance of the many diverse facets of primate social behavior within an ecological context. The class highlights current research issues in the field of primate behavioral ecology and examines how research is conducted and reported. Students will conduct a zoo observation study on the nonhuman primate and behavioral topic of their choice. Prerequisites: ANTH 10300 and either ANTH 21100 or BIOL 27100. 3 credits. (IRR)

**Distribution:** 2A,LA,NS.

**ANTH 31400 - The Beastly Mirror (3)**

A study of the relationship between people and domesticated animals in cultural ecology, symbolism, history, and aesthetics. The course uses material from anthropology, history, biology, art, and literature to examine African cattle, Middle Eastern shepherding, Arctic reindeer, New Guinea pigs, Western pets, and India’s sacred cows. Seminar format. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (IRR)

**Distribution:** LA,SS.

**ANTH 32000 - Anthropology of Religion (3)**
The religious experience from the standpoint of ethnographic field studies and from various theoretical approaches. Examines the relationships among religion, culture, and society. Explores the evolution of the anthropological study of religion. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 33500 - Women and Culture (3)

The lives of women vary considerably cross-culturally. This course explores the nature of this variation as well as the cultural construction of gender roles. Special attention is given to the relationship between gender roles and economics, politics, power, authority, religion, and family life. Using case studies from various regions of the world, including the United States, the course examines how women’s lives are affected by their social status, race, ethnicity, and position in the life cycle. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (F or S,Y)

Distribution: 1,LA,SS.

ANTH 34000 - Aging and Culture (3)

Aging is a universal experience, but its meaning differs dramatically in various societies. The impact of culture on late life is explored in primitive, peasant, third world, European, and American societies. Emphasis is given to how cultural, ecological, and value systems affect longevity; the control of power and wealth in late life; the degree to which the elderly are isolated from or engaged in their communities; and the influence of older people’s gender on family, social, and religious roles. The implications of these factors for policy decisions are also explored. Prerequisites: ANTH 10400, ANTH 12900, or two courses in gerontology. 3 credits. (Y)

Distribution: LA,SS.

ANTH 36400 - New World Complex Societies (3)

The origins and evolution of civilizations and other complex societies in two areas of the New World: prehistoric Mexico and Peru. The course focuses on select cultures, including the Maya, Aztec, and Inca, that followed different paths to achieve a high level of cultural development. Factors important in this development, including the environment, social systems, religion, and politics, are discussed. The course explores why these societies developed in order to grasp the relationships that hold a society together or tear it apart. Prerequisites: ANTH 10400 or ANTH 10700 and either one 200-level anthropology course or junior standing and one additional social science course. 3 credits. (S,E)

Distribution: LA,SS.

ANTH 36600 - Anthropology of the US Military (3)

Examination of the U.S. military on a variety of levels, including international, national, social, popular, and individual. Discussion of debates on the use of anthropology in the military, and the links between anthropology and empire-building. Prerequisites: Junior standing and one 200-level course in anthropology. 3 credits. (IRR)

Distribution: LA,SS.

ANTH 37000 - Applied Anthropology (3)

Examination of a major new career field in anthropology, comparing the activist role of the applied anthropologist with the research orientation of much of the discipline. Manner in which the perspectives, field methods, and cultural knowledge of anthropologists have been applied in planning, implementing, and evaluating economic and social change projects. Case studies documenting the complexity of projects suggest the risks, demands, and challenges of applied anthropology, as well as the potential for ethical conflict and failure. Prerequisites: ANTH 10400 or ANTH 12900 and either one 200-level anthropology course or junior standing and one other social science course. 3 credits. (F or S,Y)

Distribution: LA,SS.

ANTH 37100 - Field School in Biological Anthropology (1 to 6)

This field course involves travel to an off-campus location to learn about one (or more) subdisciplines within the subfield of biological anthropology. Field schools may focus on anatomy, forensic anthropology, paleoanthropology, primatology, or another subdiscipline. Students will employ the methods used by researchers in the field and actively collect data. Students also will learn how to summarize data and present results. May be repeated up to a maximum of six credit hours. Additional costs to students will include travel to field site, living expenses, and research-related activities. Prerequisites: Permission of instructor. 1-6 credits, depending on the nature of the field school. (IRR)

Distribution: 2A,NLA.

ANTH 37200 - Native American Women and Culture (3)

This seminar examines the diversity and commonalities of Native women's voices and experiences in multiple cultural contexts. This course explores the representation and misrepresentation of Native women by missionaries, colonists, historians, writers, and anthropologists. Perspectives of Native women as anthropologists, authors, clan mothers, and storytellers are emphasized. Political, economic, and spiritual roles of Native American women are discussed, with an emphasis on the Haudenosaunee (Iroquois). Other topics include mythology, health and healing, and the contributions of Native women to the American feminist movement, human rights, and
environmental activism. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (F,O)

Distribution: 1,LA,SS.

ANTH 37400 - Archaeological Field School (6)

Experience in archaeological fieldwork. Training in the basic techniques of archaeological research design, reconnaissance, survey, mapping, excavation, and basic field laboratory methods. Use of a transit, laying out of grids, and identification of different kinds of archaeological data, such as ceramics, lithics, features, and ecofacts will be covered. Prerequisites: ANTH 10400 or ANTH 10700, and either a 200-level anthropology course or junior standing with one additional course in the social or natural sciences. Travel and living expenses will be responsibility of student. 6 credits. (SUM, IRR)

Distribution: NLA.

ANTH 37500 - Environmental Anthropology (3)

Examination of the cultural dimensions of the sustainable use and management of natural resources in the context of global efforts to effect social change and economic development. Much of the focus is on less-developed countries' indigenous peoples, rural peasants, urban underclass, and their ethnoecologies. Critical attention is also paid to industrialized nations' impact on peoples and cultures of the third world and to their role as dominant forces in establishing global environmental policy. Included in the course are case studies of the United States' "culture of consumption," an examination of the relationship between development and the environment, and a discussion of public policy alternatives. Prerequisites: ANTH 10400 or ANTH 12900 and either one 200-level anthropology course or junior standing and one other social science course. 3 credits. (F or S,Y)

Distribution: 1,G,LA,SS.

ANTH 37700 - Biology of Poverty (3)

Examination of the biological effects of poverty in historic and modern human populations with a focus on how sociocultural and political-economic processes affect local human biologies. Case studies drawn from Europe, Asia, Africa, and the Americas, with emphasis on such common biological consequences of poverty as workload stress, infectious disease, malnutrition, and injury due to violence. Prerequisites: ANTH 10300 and junior standing. 3 credits. (IRR)

Distribution: LA,SS.

ANTH 37800 - Anthropology of Music (3)

This course provides an introduction to ethnomusicology and explores how music creates and reflects culture and society. Through case studies from different countries, students will explore ethnomusicological theories and techniques and gain an appreciation for the wide range of musical styles. Issues that may be addressed include social status of musicians, music and identity, the relationship between musical and social structure, music and cosmology and transnational music. Prerequisites: ANTH 10400 and two courses in the social sciences. 3 credits. (IRR)

Distribution: 3B,G,LA,SS.

ANTH 38100 - Anthropological Experience in Hawaii (3)

A fieldwork-based study of the anthropology of Hawaii. The anthropological perspective is a holistic orientation that entails not just examining one aspect of culture, but exploring the interconnections between many facets of cultural history and contemporary experience. This is accomplished through a grounding in Hawaiian history and archaeology, followed by an examination of traditional agriculture, lifeways, multiculturalism, and the impact of colonization, tourism, and the native sovereignty movement. Specifically, students learn through participant observation in contexts of Hawaiian healing, sacred sites, traditional taro growing, and preserving indigenous ecology at an ethnobotanical preserve. Note: Extra fees may be charged for this course. Prerequisites: ANTH 28100. 3 credits. (O)

Distribution: LA,SS.

ANTH 38300 - Anthropology of the Body (3)

Examination of analytic concepts of the body and embodiment from various theoretical perspectives (including feminist, Marxist, and phenomenological theories). Focus on ethnographic examples of the ways that the body is socially and culturally constructed within and across cultures. Prerequisite: ANTH 10400; junior standing. 3 credits. (IRR)

Distribution: LA,SS.

ANTH 38400 - Forensic Anthropology (4)

Introduction to the scientific principles and cultural context of forensic investigations. Review of archaeological and osteological approaches that contribute to the search, recovery, identification, and interpretation of the remains of deceased individuals. Combination of lectures, labs, and mock investigation exercises. Prerequisites: ANTH 10300, BIOL 11500, BIOL 11900, BIOL 12000, BIOL 12100, or BIOL 12200; and one ANTH course at level 2. 4 credits. (IRR)

Distribution: LA,NS.

ANTH 38600 - Hunter-Gatherers (3)

Examine in a seminar format past and present hunter-gatherer societies and the various ways that ethnographers and archaeologists have tried to understand them. Topics include Marxist, structural, and neo-Darwinian models; technology; social relations; economics; territories and property rights; gender; symbols and ideology; cultural
evolution and change; culture contact; government intervention; and Native perspectives. Students reflect on what hunter-gatherer egalitarian societies, representing 99 percent of the human experience, tell us about our basic human nature and modern societies. Prerequisites: ANTH 10400 or ANTH 10700 and either one 200-level anthropology course or junior standing and one additional social science course. 3 credits. (IRR)

Distribution: LA,SS.

ANTH 38800 - Origins of Agriculture (3)

The development and spread of agriculture arguably changed the course of human history more than any other single cultural process. This seminar reviews the history of thought and debate concerning the development of prehistoric agriculture and the processes of plant cultivation and domestication. Emphasis is placed on recent interdisciplinary developments in ethnobotany and archaeobotany that allow detailed, complex scientific evidence to be considered. Readings and discussion include historical pieces, theoretical treatises, and regional case studies from around the world. Students will learn of the diversity of anthropological theory in the context of the study and analysis of one of humanity's fundamental lifeway changes. Prerequisites: ANTH 10400, ANTH 10700, or BIOL 12200 and either one 200-level anthropology course or junior standing and one additional social science course. 3 credits. (IRR)

Distribution: LA,SS.

ANTH 39000 - Seminar on Anthropological Issues (3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39001 - Seminar on Anthropological Issues (0 to 3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39002 - Seminar on Anthropological Issues (0 to 3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39003 - Seminar on Anthropological Issues (0 to 3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39004 - Seminar on Anthropological Issues (0 to 3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39005 - Seminar on Anthropological Issues (0 to 3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39006 - Seminar on Anthropological Issues (0 to 3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39007 - Seminar in Anthropological Issues (0 to 3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39008 - Seminar on Anthropological Issues (0 to 3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

ANTH 39009 - Seminar on Anthropological Issues (3)

Consideration of central issues in contemporary anthropological research. Recent seminars have dealt with politics, educational systems, and economic development. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.
ANTH 30500 or ANTH 37400. May be taken multiple times to a maximum of six credits toward the major. 3 credits (IRR)

Distribution: NLA.

ANTH 45800 - Research in Anthropology (1 to 6)
Provides students an opportunity to conduct individual research in any of the subfields that are not fieldwork, such as laboratory analysis, text analysis, tape transcription, or library research on a specific topic. Prerequisites: ANTH 30200, ANTH 30500, or ANTH 30600, and completion of HS dean’s independent study/internship form. May be repeated up to a maximum of 6 credits. (F, S and SUM, Y)

Distribution: NLA.

ANTH 45900 - Internship in Anthropology (1 to 6)
Provides students an opportunity to conduct individual research that is not fieldwork in any of the subfields and under the supervision of a professional. Internships are arranged individually at the student’s request with an instructor and a sponsoring agency. Prerequisites: ANTH 10300, ANTH 10400, or ANTH 10700, permission of instructor, and completion of HS dean’s office internship form. Can be repeated to a maximum of 6 credits. (F, S and SUM, Y)

Distribution: NLA.

ANTH 46000 - Advanced Readings in Anthropology (1 to 4)
Arrangements are initiated by the student interested in a topic not covered by regular course offerings. Prerequisites: ANTH 10400; three other anthropology courses; permission of instructor. 1-4 credits. (F-S)

Distribution: LA,UND.

ANTH 47001 - Fieldwork and Research in Ethnography: Seminar (3)
Gives advanced anthropology students with a specialization in cultural anthropology an opportunity to do supervised fieldwork, as required for the major. It combines small group class meetings and out-of-class research projects. Group projects enable students to utilize and improve their skills in the methodological approaches previously learned. Research topics might include current campus or community issues, sociocultural patterns of people on campus or in the Ithaca area, and any relevant and appropriate culturally shaped behavior. Prerequisites: ANTH 30200. 3 credits. (IRR)

Distribution: LA.

ANTH 47002 - Fieldwork and Research in Archaeology: Seminar (3)
 Provides advanced anthropology students with a specialization in archaeology an opportunity to do supervised fieldwork, as required for the major. It combines small group class meetings and out-of-class research projects. Group projects enable students to utilize...
and improve their skills in the methodological approaches previously learned. Research might include reconnaissance, survey, or excavation of local sites; laboratory analysis of archaeological data already collected; or other archaeologically focused activity. Prerequisites: ANTH 30500. 3 credits. (IRR)

Distribution: LA.

ANTH 47500 - Ethnographic Fieldwork (1 to 6)

An alternative to ANTH 47000 for advanced anthropology students with a focus in cultural anthropology whose research plans would benefit from a more individualized approach. The research may be conducted within or away from the Ithaca area under supervision by an anthropology faculty member. Prerequisites: ANTH 30500; consultation with and permission of instructor. 1-6 credits. (F,S,Y)

Distribution: LA,UND.

ANTH 47600 - Archaeological Fieldwork (1 to 6)

An alternative to ANTH 47200 for advanced anthropology students with a focus in archaeology whose research plans would benefit from a more individualized approach. The research may be conducted within or away from the Ithaca area under supervision by an anthropology faculty member. Prerequisites: ANTH 30500; consultation with and permission of instructor. 1-6 credits. (F,S,Y)

Distribution: LA,UND.

ANTH 47700 - Biological Anthropology Fieldwork (1 to 6)

An alternative to ANTH 47000 and ANTH 47200 for advanced anthropology students with a focus other than archaeology or ethnoarchaeology whose research plans would benefit from a more individualized approach. The research may be conducted within or away from the Ithaca area under supervision by an anthropology faculty member. Prerequisites: ANTH 30200 or ANTH 30500; consultation with and permission of instructor. 1-6 credits. (F,S,Y)

Distribution: LA,UND.

ANTH 47701 - Fieldwork and Research: Special Projects (1 to 6)

An alternative to ANTH 47000 and ANTH 47200 (above) for advanced anthropology students with a focus other than archaeology or ethnoarchaeology whose research plans would benefit from a more individualized approach. The research may be conducted within or away from the Ithaca area under supervision by an anthropology faculty member. Prerequisites: ANTH 30200 or ANTH 30500; consultation with and permission of instructor. 1-6 credits. (F,S,Y)

Distribution: LA,UND.

ANTH 48000 - Medical Anthropology (3)

In this seminar healing traditions, beliefs, and practices from around the globe are explored through the lens of anthropological practice, methods, and theories. Healing modalities based in the scientific tradition, namely biomedicine, are examined and contrasted with other cross-cultural traditions, including those in Africa, Latin America, and Native America. Symbolic and religious perspectives on health, gender, and the body are also explored. Delivering health care in culturally pluralistic settings is covered, especially regarding how health care professionals can more effectively address multicultural health care. Prerequisites: ANTH 10400, and ANTH 30200 and one other 300-level anthropology class. 3 credits. (IRR)

Distribution: LA,SS.

ANTH 48200 - Ethnoarchaeology (3)

Ethnoarchaeology is the study of living societies from an archaeological perspective. It is particularly concerned with patterned variability in material culture (architecture, artifacts, and material byproducts) and its relation to human behavior and organization. This "living archaeology" is an important component of a growing body of middle-range theory that archaeologists use to give voice to the mute archaeological record. At the same time, it provides a deeper appreciation of the technological, economic, and symbolic roles of material culture in today's societies. Class work may include both campus and community projects that examine and illustrate the theory, methods, and results of ethnoarchaeology. Prerequisites: ANTH 10400 or ANTH 10700; either ANTH 30200 or ANTH 30500 and one other 300-level anthropology course. 3 credits. (IRR)

Distribution: LA,SS.

ANTH 49000 - Seminar: Selected Topics in Anthropology (1 to 4)

Topics of current faculty interest in departmental fields. Recent seminars have focused on anthropological perspectives on the world food crisis, concepts of adaptation in the social sciences, and the history of anthropology. This course may be repeated for credit for different selected topics. Prerequisites: ANTH 10400; one level-2 course in anthropology; junior standing or equivalent. 1-4 credits. (IRR)

Distribution: LA,SS.

ARAB - Arabic

ARAB 10100 - Elementary Arabic I (4)

Introductory course designed to develop spoken and written skills in Arabic and to further understanding of Arab and Islamic cultures. Students will learn the Arabic alphabet and sound, grammatical constructions, and vocabulary. Modern Standard Arabic will be emphasized. Prerequisites: Open to students with no previous knowledge of Arabic or by placement. 4 credits. (F,Y)

Distribution: 3A,G,HU,LA.
ARAB 10200 - Elementary Arabic II (4)
Continuation of ARAB 10100. Limited to students who have successfully completed ARAB 10100 with a grade of C- or better, or by placement. Prerequisites: ARAB 10100, or equivalent. 4 credits. (S,Y).
Distribution: 3A,G,HU,LA.

ARAB 20100 - Intermediate Arabic I (3)
Further development of speaking, listening, reading, and writing skills. Students will read selections written in both classical and standard Arabic and practice Levantine Arabic, a colloquial Arabic dialect. Grammar and stylistic rules will be emphasized. Prerequisites: ARAB 10200 with a grade of C- or better, or permission of instructor. 3 credits. Distribution: HU,LA.

ARAB 20200 - Intermediate Arabic II (3)
Continuation of ARAB 20100. Emphasis will be given to oral and written proficiency. Prerequisite: ARAB 20100 with a grade of C- or better, or with instructor permission. 3 credits (S, Y)
Distribution: HU,LA.

ART - Art

ART 12000 - Two-Dimensional Design (3)
A course dealing with fundamentals of design on a flat surface and providing perceptual, as well as technical, understanding of formal elements employed in producing works of art. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

ART 12100 - Three-Dimensional Design (3)
An introduction to the creative work process and decision making as related to the creation of three-dimensional art. Deals with basic design concepts as they relate to the realization and fabrication of three-dimensional design. 3 credits. (S,Y)
Distribution: 3B,FA,LA.

ART 13000 - Introduction to Drawing (3)
Training in perception and the imagination as they relate to drawing. Exploration of several drawing media. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

ART 14000 - Introduction to Painting (3)
A studio course in creative painting. Methods and materials of painting, basics of color, composition, form, and space organization. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

ART 15000 - Introduction to Sculpture (3)
Introductory studio course in creative sculpture. Methods and materials of sculpture; basic concepts of form, mass, and space in sculpture. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

ART 15400 - Introduction to Printmaking (3)
Introduction to intaglio and relief printmaking in the context of contemporary art and the historical traditions of the medium. Sustained creative dialogue combined with hands-on projects in the study of printmaking techniques. 3 credits. (F-S, Y)
Distribution: 3B,FA,LA.

ART 22000 - Intermediate Drawing (3)
Using work begun in ART 13000 Introduction to Drawing, this course expands into areas of drawing as an entity in itself. Continuations, refinements, and techniques, as well as an in-depth examination of varied aspects of drawing as a major art form. Prerequisites: ART 13000. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

ART 22100 - Figure Drawing (3)
Consists of time-honored methods of developing drawing skills by working with the human form. Problems dealing with anatomy, movement, mass, volume, shading, and composition are covered. Prerequisites: One introductory art course. 3 credits. (F-S,Y)
Distribution: FA,LA.

ART 23000 - Intermediate Painting (3)
Studio course continuing the experience of creative painting. Development of awareness of problems of form, space, color, and content; painting techniques; and studies from nature and objects, as well as nonfigurative approaches. Prerequisites: ART 14000. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

ART 25000 - Intermediate Sculpture (3)
Intermediate studio course in creative sculpture. Further development of concepts of form, mass, space, and content in sculpture. Traditional and nontraditional media and techniques are explored. Prerequisites: ART 15000. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

ART 25500 - Intermediate Printmaking-Silk Screen (3)
Study of silk screen printmaking media in the context of contemporary art and the ongoing development of media culture. Current techniques in silk screening explored including the use of digital processes. Prerequisites: ART 12000, ART 13000, ART 14000, or ART 15400. 3 credits (F,Y)
ART 25600 - Intermediate Printmaking - Lithography (3)
Exploration of the processes of lithographic printmaking in the context of contemporary art and the historical foundations of the medium. Current and traditional techniques in the medium considered. Prerequisites: ART 12000, ART 13000, ART 14000, or ART 15400. 3 credits (S,Y)
Distribution: FA, LA.
ART 27000 - Book Design (3)
An introduction to designing and constructing the book as an art form. Prerequisites: One introductory art course. 3 credits. (S,Y)
Distribution: 3B, FA, LA.
ART 30000 - Theories of Art Practice (3)
Exploration of professional and theoretical dimensions of artmaking for art majors and minors, to prepare them for work on senior projects and careers in art. Topics include development of artist statements, research on aesthetic ideas from artists around the world, and critical engagement with student and professional artists both locally and outside of the Ithaca area. Students are responsible for extra fees for materials and class trips. Prerequisites: two ART classes at level 2 or above; junior standing. 3 credits. (S,Y)
Distribution: FA, LA.
ART 32000 - Advanced Drawing (3)
Study toward a high level of drawing proficiency. Drawing from the figure. Exploratory and definitive compositional drawing, figurative and nonfigurative. Prerequisites: ART 13000; ART 22000 or ART 22100. 3 credits. (F-S,Y)
Distribution: FA, LA.
ART 34000 - Advanced Painting (3)
Advanced problems in painting, with an emphasis placed on the creation of individual work. Aims to develop a personal aesthetic in painting. Prerequisites: ART 14000; ART 23000. 3 credits. (F-S,Y)
Distribution: FA, LA.
ART 35000 - Advanced Sculpture (3)
Advanced problems in sculpture, with an emphasis placed on individual expression. Aims at technical competence and the development of a personal aesthetic. Prerequisites: ART 15000; ART 25000. 3 credits. (F-S,Y)
Distribution: FA, LA.
ART 35400 - Advanced Printmaking (3)
A continuation of the exploration of printmaking media in the context of contemporary art and the ongoing development of media culture. Self-designed studio work, discussions, readings, field trips and professional preparation combine to help the student develop printmaking techniques as a mode of artistic expression and understand printmaking as a contemporary art form. Prerequisites: ART 25500 or ART 25600. 3 credits (IRR)
Distribution: FA, LA.
ART 38000 - Computer Art and Animation (3)
An introduction to the creative use of computers as fine-arts tools, building on techniques and concepts developed in traditional two-dimensional studio coursework. This course addresses both the technical and conceptual issues of artists working with this new technology through problems specifically related to computer painting, printmaking, and animation. Prerequisites: Three studio art courses. 3 credits. (F-S,Y)
Distribution: FA, LA.
ART 39900 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA, UND.
ART 39901 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.
ART 39902 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.
ART 39903 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.
ART 39904 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.
ART 39905 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 39906 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 39907 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 39908 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 39909 - Independent Study: Art (1 to 4)
Advanced projects under specifically directed tutelage. Projects to be arranged between instructor and students. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 39910 - Independent Study: Art (1 to 4)
ART 49000 - Senior Project I (3)
A directed project under the advisement of the faculty in the student’s major area (painting, printmaking, sculpture). The aim is to develop a body of work demonstrating creative initiative as part of the senior capstone experience. Senior Project is required of BFA art majors. Prerequisites: BFA Art majors; ART 49000. 3 credits. (F-S, Y)
Distribution: LA,UND.

ART 49500 - Art Internship (1 to 4)
An opportunity for students to gain practical experience in a variety of art-related activities that are directly involved in the creation of visual art. A faculty member from the art department as well as a mentor from the sponsoring agency supervises the internship. Internships are arranged on an individual basis and must be approved by the chair of the art department. Prerequisites: Permission of instructor/mentor; three art courses; junior or senior standing. 1-4 credits. (IRR)
Distribution: NLA.

ART 49900 - Independent Study: Art (1 to 4)
Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA,UND.

ART 49901 - Independent Study: Art (1 to 4)
Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 49902 - Independent Study: Art (1 to 4)
Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 49903 - Independent Study: Art (1 to 4)
Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 49904 - Independent Study: Art (1 to 4)
Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.
Distribution: LA.

ART 49905 - Independent Study: Art (1 to 4)
Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and
student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.

Distribution: L.A.

ARTH 49906 - Independent Study: Art (1 to 4)

Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.

Distribution: L.A.

ARTH 49907 - Independent Study: Art (1 to 4)

Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.

Distribution: L.A.

ARTH 49908 - Independent Study: Art (1 to 4)

Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.

Distribution: L.A.

ARTH 49909 - Independent Study: Art (1 to 4)

Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.

Distribution: L.A.

ARTH 49910 - Independent Study: Art (1 to 4)

Advanced projects for seniors under specifically directed tutelage. Projects to be arranged between instructor and student. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits.

Distribution: L.A.

ARTH - Art History

ARTH 11000 - Episodes in Western Art (3)

An introduction to art history through close examinations of selected works and themes from prehistory to the present. The chosen topics, primarily based on painting and sculpture from the Western tradition, will be discussed from a variety of perspectives, including style, artists' techniques and materials, potential meanings, and historical context. The course is designed to familiarize students with key terms and skills employed by art historians, as well as conventions and institutions associated with Western art. The course will cover a broad history of art while simultaneously raising questions about the sources and authority of that history. Not open to seniors. 3 credits. (Y)

Distribution: 3B,G,H,HU,LA.

ARTH 11300 - Elements of Architecture (3)

A primer on the topic of architecture and architectural history. Acquaints students with the art of making buildings through a discussion of a variety of topics, among them materials, structure, mechanics, space, and light. Architectural theory is also introduced, from the ideas of Vitruvius through some of the more provocative pronouncements of Venturi. Students will learn to consider the activity surrounding the creation of architecture, including the interaction of architects, clients, builders, and even the natural forces that act upon buildings. Features architectural vocabulary, mastery of which is necessary for the analysis and understanding of architectural forms. Not open to seniors. 3 credits. (F,Y)

Distribution: 3B,FA,LA.

ARTH 11400 - Architecture across Cultures (3)

An investigation of world architecture, organized by architectural type. Examining such topics as spaces of dwelling, worship, and commerce comparatively across time and place sheds light on the ways in which cultural values and identities are shaped and expressed in architectural form. Students study architectural variety across cultures as an expression of historical, material, and cultural difference, and shared traits between cultures as responses to universal social needs, structural possibilities, and spatial strategies. Not open to seniors. 3 credits. (F, S,Y)

Distribution: 3B,FA,G,HLA.

ARTH 12500 - Selected Topics in Art History (3)

Introduction to the discipline of art history by a review of major categories of art (i.e., portraiture, landscape, genre, still-life, narrative painting, abstraction, representation, sculpture, architecture) within the context of a single theme or period. Not open to seniors. 3 credits. (IRR)

Distribution: 3B,FA,G,H,HU,LA.

ARTH 12504 - Selected Topics in Art History (3)

Introduction to the discipline of art history by a review of major categories of art (i.e., portraiture, landscape, genre, still-life, narrative painting, abstraction, representation, sculpture, architecture) within the context of a single theme or period. Not open to seniors. 3 credits. (IRR)

Distribution: 3B,FA,G,H,HU,LA.

ARTH 13500 - Introduction to Visual Culture (3)

An examination of the crucial roles that images and objects play in shaping our society. The course covers the larger culture of visual images, including art, print, media, film, photography, and electronic media, and focuses on how
images define, shape, and communicate beliefs and behaviors in a variety of contexts. The course emphasizes developing a sense of “visual literacy” and becoming more self-consciously aware of the act and nature of looking, in a world in which ideas increasingly are communicated in visual, rather than linguistic, form. Not open to seniors. 3 credits. (F or S, Y)

Distribution: 3B,G,H,HU,LA.

ARTH 16000 - Art Across Cultures (3)

This introduction to a wide range of art forms produced in the Americas will consider art from the ancient through contemporary periods. This survey will be organized thematically and consider topics such as art and power, constructions of nature and culture, and cross-cultural encounters. Such a structure will allow us to consider continuities and disjunctions between the arts of Pre-Columbian, Latin American, and North American peoples, and many of the cultural and historical reasons for these differences. Students will develop skills and vocabularies for visual analysis and be expected to think critically about the ways that cultures communicate visually. 3 credits. (F,S)

Distribution: 3B,G,H,HU,LA.

ARTH 20100 - Introduction to the Roman World (3)

Explores the many facets of Roman life as revealed through material culture; the arts (painting, sculpture, architecture, mosaics, pottery, metalwork); and the archaeological remains that shed light on the way Romans conducted their everyday lives. This is a thematic, rather than chronological, course. Satisfies the “art, visual culture, or architecture before 1400” requirement in the major. Prerequisites: Sophomore standing. 3 credits. (IRR)

Distribution: 3B,G,H,HU,LA.

ARTH 21600 - Art in London (3)

This course focuses on modern and contemporary art currently on view in London. In addition to providing an overview of the history of modern and contemporary art, it also introduces students to London’s art world: from its public and private museums, galleries, and art spaces to contemporary debates on the arts. The course will largely be hands-on, with field trips to make use of London’s distinctive setting and opportunities. Course topics change to include current exhibitions and events in London. Satisfies the “art, visual culture, or architecture after the year 1750” requirement in the major. Prerequisites: Sophomore standing. Offered only through the London Center. 3 credits. (Y)

Distribution: HU,LA.

ARTH 21700 - British Art and Architecture I: 1066-1660 (3)

Studies of selected works of visual art from major periods in British history, to include British architecture, painting, costume, and design and their relationship to the societies that produced them. Includes survey of Roman, Saxon, and Celtic Britain. Visits to museums and field trips. Prerequisites: Sophomore standing. Offered only through the London Center. 3 credits. (F,Y)

Distribution: 3B,G,H,HU,LA.

ARTH 21800 - British Art and Architecture II: 1660-1914 (3)

A study of selected works of visual art from recent periods in Britain’s history and their relationship to the societies that produced them. Analysis of various styles in painting, architecture, costume, and ornament. Visits to museums and field trips. Prerequisites: Sophomore standing. Offered only through the London Center. 3 credits. (S,Y)

Distribution: 3B,G,H,HU,LA.

ARTH 21900 - Arts of Antiquity: Greece and Rome (3)

Bronze Age art of the Aegean, Greek art from the geometric through the Hellenistic periods, and Roman art to the end of the pagan era. Satisfies the “art, visual culture, or architecture before 1400” requirement in the major. Prerequisites: Sophomore standing. 3 credits. (F or S,Y)

Distribution: 3B,F,A,G,H,LA.

ARTH 22100 - Introduction to the Medieval World (3)

Explores different facets of medieval life as revealed through the visual and material culture of the Middle Ages. Organized by theme rather than chronology. Topics include modern fascinations with the medieval, religious functions and contexts for images, medieval places and spaces, visual storytelling, images and objects of daily life, and medieval images of death. Investigates a variety of types of objects and images (including buildings, sculpture, manuscript illumination, metalwork, and mosaics), as well as archaeological remains of medieval life. Satisfies the “art, visual culture, or architecture before 1400”
Great Spaces: An Introduction to Urban Design (3)

Introduction to the history of open space design, with an emphasis placed on the city. Examination of the principles that generate successful spaces at several scales, from pocket parks and public squares to ceremonial sites and ideal cities. Analysis of the cultural meanings embedded in urban space. Regions covered include Western Europe and Russia, the Americas, and Asia. Chronological scope ranges from ancient to contemporary. Prerequisites: Sophomore standing. 3 credits. (F or S, Y)

Distribution: 3B, G, H, HU, LA.

ARTH 25200 - Twentieth-Century European Art (3)

Study of leading European painters and sculptors of the 20th century. Major movements from fauvism and expressionism through cubism, futurism, dadaism, and...
surrealism. Includes Rouault, Munch, Nolde, Kokoschka, Klee, Kandinsky, Matisse, Picasso, Boccioni, Mondrian, Tatlin, Duchamp, DeChirico, and Miró. Satisfies the "art, visual culture, or architecture after the year 1750" requirement in the major. Prerequisites: Sophomore standing. 3 credits. (S,Y)
Distribution: 3B,G,H,HU,LA.

ARTH 26000 - Pre-Columbian Art (3)
Introduces students to art produced in Mesoamerica and the Andes up to the time of contact with European cultures. Discusses artworks, monuments, and objects associated with many of the major cultures of these regions, including Olmec, Teotihuacan, Maya, Aztec, Chavin, Moche, Paracas, Mazca, Wari, and Inca. Organized chronologically within each major region. Emphasizes the range of approaches used in the study of art and art history. Satisfies the "art, visual culture, or architecture before 1400" requirement in the major. Prerequisites: Sophomore standing. 3 credits. (F or S, Y)
Distribution: 3B,G,H,HU,LA.

ARTH 26500 - Modern Latin American Art (3)
Explores artistic production in Latin America from the independence period (19th century) through the 20th century, and identifies competing definitions of what it means to be "modern" and "Latin American." Major themes include artistic contributions to the creation of national identity, Latin American artists' negotiations of European, indigenous, and African traditions, the rise of internationalism and the art market, and the relationship between art, politics, social activism, and resistance. Addresses the following major artistic trends, among others: the academic tradition, modernismo, the Mexican mural movement, indigenismo, surrealism, constructive universalism, abstraction, conceptual art, and postmodernism. Satisfies the "art, visual culture, or architecture after the year 1750" requirement in the major. Prerequisites: Sophomore standing. 3 credits. (F or S, Y)
Distribution: 3B,G,H,HU,LA.

ARTH 27500 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27503 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27504 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27505 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27506 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27507 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27508 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27509 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27510 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.
ARTH 27511 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27512 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27513 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27516 - Selected Topics in Art History (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: One course in the humanities or fine arts. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27517 - Selected Topics in Art History: Thematic Topic (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: One course in the humanities or fine arts. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27518 - Selected Topics in Art History: Thematic Topics (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: One course in the humanities or fine arts. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27519 - Selected Topics in Art History: Thematic Topic (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: One course in the humanities or fine arts. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 27520 - Selected Topics in Art History: Thematic Topic (3)
This course may be repeated for credit for selected topics on different subjects. Prerequisites: One course in the humanities or fine arts. 3 credits. (IRR)
Distribution: 3B,FA,G,H,LA.

ARTH 28300 - American Visual Culture: 1690-1960 (3)
Relates the images and objects made by and for Americans to the society that produced them. Organized in a thematic fashion around topics such as democracy, colonialism, progress, materialism, and pop culture. Traditional "art historical" media (painting, sculpture, architecture, and graphic arts) are joined by vernacular building, industrial design, costume, advertising, film, photography, and television to create a fuller picture of American life and culture over three centuries. Satisfies the "art, visual culture, or architecture after the year 1750" requirement in the major. Prerequisites: Sophomore standing. 3 credits. (S,Y)
Distribution: 3B,H,HU,LA.

ARTH 28500 - Art since 1960 (3)
Critically explores various avant-garde strategies used since 1960, when artists' practices radically changed. At that time, different working methods combining different media -- and challenging long-held notions of art, artists, society, and even reality -- were introduced. The question, But is it art? is one of the central issues debated. Focus on the so-called failure of modernist art, and how postmodernist, postcolonialist, and postfeminist issues define artistic practice today. Satisfies the "art, visual culture, or architecture after the year 1750" requirement in the major. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,G,HU,LA.

ARTH 28700 - Latino Art in the United States (3)
Focuses on Latino Art in the United States during the 20th century, while periodically reaching back further in time to provide historical perspective. Special emphasis is placed on the following artistic cultures: Chicano/a, Puerto Rican, Cuban-American, and New York City's role as an artistic magnet. Topics to be considered include: the relative coherence of the category "Latino Art," the role of a the construction of tradition, community and history; the borderlands as space and concept; and the relevance of the arts in the contemporary debate over immigration. Satisfies the art, visual culture, or architecture after the year 1750 requirement in the major. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,H,HU,LA.

ARTH 29200 - Introduction to Museology (3)
Introduces the history of museums and galleries, explores the societal role of these institutions, and addresses the contemporary issues and ethical dilemmas they face. Investigates roles and responsibilities within museums and galleries. Combines lectures, field trips, discussions, and presentations. Prerequisites: Sophomore standing or above. 3 credits. (Y)
Distribution: FA,LA.

An introduction to basic concepts of architectural design through a graduated series of exercises focused on the architectural conceptualization of space, form, function, and structure. Basic techniques of architectural communication, including drawing, model-making, and simple 3-D computer modeling are introduced in the context of controlled investigations of architecture's formal properties and functional demands. Prerequisites: Junior standing; ARTH 11300 or 11400; ART 13000; and ARTH 20900, ARTH 22200, ARTH 23200, ARTH 23300, or ARTH 24000. 4 credits. (F,Y)

Distribution: FA,LA.

ARTH 30200 - Architectural Studio II: Environmental Design and Digital Representation (4)

This course builds on skills introduced in ARTH 30100, moving from the scale of the individual architectural object to consideration of the building in its broader urban and natural environment. Basic techniques of drawing and 3-D modeling are further developed with exposure to more advanced representational challenges and digital tools. Tompkins County and its environs will serve as a locus for studio projects focused on the intelligent integration of built and natural form. Targeted exploration of such themes as ecologically sensitive siting, sustainable use of materials, and harmonization with natural forces for reduced energy consumption will occur through focused exercises and a culminating semester project. Prerequisites: ARTH 30100. 4 credits. (S,Y)

Distribution: FA,LA.

ARTH 30700 - Victorian Art and Society (3)

A study of painting, costume, furniture, and monuments in terms of artistic and social value. Field trips and visits to museums and galleries. Prerequisites: Three courses in the humanities and/or fine arts; sophomore standing or above. Offered only through the London Center. 3 credits. (IRR)

Distribution: HU,LA.

ARTH 31800 - Memorable Cities (3)

An investigation of the architecture and urban design of cities distinguished by their physical beauty or by their status as political, religious, or cultural capitals (e.g., Paris, Rome, Moscow, St. Petersburg, New York, Washington, Los Angeles, Tokyo, Kyoto). The objectives of the course are twofold: (1) to explore the components of successful city design by analyzing architectural ensembles and urban patterns, and (2) to analyze the ways in which political and cultural values are expressed in urban form. Prerequisites: Three courses in the humanities and/or fine arts; sophomore standing or above. 3 credits. (O)

Distribution: FA,LA.

ARTH 33100 - Studies in Art from Ancient to Renaissance (3)

Advanced studies of focused issues in the history of ancient, medieval, or Renaissance art. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to the topic. 3 credits. (IRR)

Distribution: FA,HU,LA.

ARTH 33101 - Studies in Art from Ancient to Renaissance (3)

Advanced studies of focused issues in the history of ancient, medieval, or Renaissance art. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to the topic. 3 credits. (IRR)

Distribution: FA,HU,LA.

ARTH 33102 - Studies in Art from Ancient to Renaissance (3)

Advanced studies of focused issues in the history of ancient, medieval, or Renaissance art. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to the topic. 3 credits. (IRR)

Distribution: FA,HU,LA.

ARTH 33103 - Studies in Art from Ancient to Renaissance (3)

Advanced studies of focused issues in the history of ancient, medieval, or Renaissance art. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to the topic. 3 credits. (IRR)

Distribution: FA,HU,LA.

ARTH 33104 - Studies in Art from Ancient to Renaissance (3)

Advanced studies of focused issues in the history of ancient, medieval, or Renaissance art. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to the topic. 3 credits. (IRR)

Distribution: FA,HU,LA.
ATH 33105 - Studies in Art from Ancient to Renaissance (3)
Advanced studies of focused issues in the history of ancient, medieval, or Renaissance art. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to the topic. 3 credits. (IRR)
Distribution: HU,LA.

ATH 35000 - Studies in Art from Baroque to Modern (3)
Advanced studies of focused issues in art from the period between the 17th century and the present. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to topic. 3 credits. (IRR)
Distribution: HU,LA.

ATH 35001 - Studies in Art from Baroque to Modern (3)
Advanced studies of focused issues in art from the period between the 17th century and the present. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to topic. 3 credits. (IRR)
Distribution: HU,LA.

ATH 35002 - Studies in Art from Baroque to Modern (3)
Advanced studies of focused issues in art from the period between the 17th century and the present. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to topic. 3 credits. (IRR)
Distribution: HU,LA.

ATH 35003 - Studies in Art from Baroque to Modern (3)
Advanced studies of focused issues in art from the period between the 17th century and the present. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to topic. 3 credits. (IRR)
Distribution: HU,LA.

ATH 35004 - Studies in Art from Baroque to Modern (3)
Advanced studies of focused issues in art from the period between the 17th century and the present. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to topic. 3 credits. (IRR)
Distribution: HU,LA.

ATH 35005 - Studies in Art from Baroque to Modern (3)
Advanced studies of focused issues in art from the period between the 17th century and the present. Specific course topic varies. May be repeated for credit for different topics. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. Further prerequisites may be added according to topic. 3 credits. (IRR)
Distribution: HU,LA.

ATH 35800 - Form, Function, and Fantasy: Architecture since 1945 (3)
The decades since World War II have been a time of extraordinary freedom and exploration in architecture and the most intense period of building in the history of the planet. In what direction is architecture headed? This course considers this question and related issues by examining recent and current architecture of Europe, the Western hemisphere, and the Far East. Prerequisites: Three courses in the fine arts or humanities, including at least one art history course; sophomore standing or above. 3 credits. (IRR)
Distribution: HU,LA.

ARTH 36600 - Art and Revolution in Latin America (3)
Investigates painting, photography, graphic art, sculpture, and film aligned with the Mexican, Cuban, and Nicaraguan revolutions. This course will consider definitions of revolutionary art, relationships between government cultural policy and artistic creation, ways in which artists contribute to the construction of revolutionary society, and the viability of 20th-century Latin American revolutionary art. Prerequisites: Three courses in the humanities and/or fine arts, including one art history course; sophomore standing or above. 3 credits. (IRR)
Distribution: HU,LA.

ARTH 37500 - Selected Topics in Art History (3)
This course may be repeated for credit for different selected topics. Prerequisites: Three courses in the humanities and/or fine arts; sophomore standing or above. 3 credits. (IRR)
Distribution: FA,HU,LA.

ARTH 38000 - Studies in Architectural History and Theory (3)
Advanced studies of focused issues in the history of architecture and architectural theory. Specific course topic
ARTH 39500 - Performance, Institutional Critique, and the Museum (3)
Explores relationship between contemporary artists, art museums, and commercial art galleries since 1960. Examines how art forms such as performance art and institutional critique engage critically with art museums and galleries. Prerequisites: One art history course at level 2 or above; junior standing. 3 credits. (IRR)
Distribution: HU,LA.

ARTH 48000 - Senior Portfolio: Architecture (1)
A critical appraisal of architectural projects, writing and research, and other related visual and textual materials created as part of a student's major in architectural studies. Through an assessment of their undergraduate production, students will be expected to explain and expand on past projects; apply knowledge of history, structure, and design theory to these projects; and discover systems of presenting their work to a variety of audiences. Prerequisites: architectural studies major with senior standing; ARTH 30200. 1 credit. (Y)
Distribution: FA,LA.

ARTH 49000 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)
Distribution: HU,LA.

ARTH 49001 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in Art History including one Art History course at the 300-level or 3 courses in Art History and senior standing. 3 credits. (F,S,Y)
Distribution: HU,LA.

ARTH 49002 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics
on different subjects. Prerequisites: 3 courses in Art History including one Art History course at the 300-level or 3 courses in Art History and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49003 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in Art History including one Art History course at the 300-level or 3 courses in Art History and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49004 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in Art History including one Art History course at the 300-level or 3 courses in Art History and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49005 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in Art History including one Art History course at the 300-level or 3 courses in Art History and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49006 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in Art History including one Art History course at the 300-level or 3 courses in Art History and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49007 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49012 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49013 - Seminar in Art History (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49050 - Seminar in Art History: Architecture Topic (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49051 - Seminar in Art History: Architecture Topic (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.

ARTH 49052 - Seminar in Art History: Architecture Topic (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)

Distribution: HU,LA.
ARTH 49053 - Seminar in Art History: Architecture Topic (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)
Distribution: HU,LA.

ARTH 49054 - Seminar in Art History: Architecture Topic (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)
Distribution: HU,LA.

ARTH 49055 - Seminar in Art History: Architecture Topic (3)
A central topic with class discussion, individual research, and presentation of papers as major parts of the course. This course may be repeated for credit for seminar topics on different subjects. Prerequisites: 3 courses in art history including one art history course at the 300-level or 3 courses in art history and senior standing. 3 credits. (F-S,Y)
Distribution: HU,LA.

ARTH 49200 - Tutorial in Art History (3)
Discussion and research-based study on a focused topic in small group setting under faculty guidance. Availability of specific tutorial and faculty to be determined in advance of registration. Prerequisites: Art History or Architectural Studies major with senior standing or permission of the department chair; permission of instructor. 3 credits. (F,S,Y)
Distribution: FA,HU,LA.

ARTH 49300 - Exhibition Seminar (3)
Address the issues of exhibition-related curatorial work, and students will work together to curate an exhibition for the Handwerker Gallery and write the accompanying exhibition catalogue. Subjects covered include exhibition planning, organization, and installation; writing and producing catalogues and didactic materials; developing and implementing related programming; and the challenges in each phase of exhibition development from the original idea to its full realization. Prerequisites: Three courses in art history; senior standing. 3 credits. (IRR)

Distribution: HU,LA.

ARTH 49400 - Internship: Art History (1 to 4)
The internship provides an opportunity to gain practical experience working in a gallery or museum, under the joint supervision of a member of the museum staff and an Ithaca College faculty member. Internships are arranged individually at the student's request, subject to the availability of an appropriate museum or gallery slot. Prerequisites: Three art history courses; sophomore standing or above; permission of instructor. 1-4 credits. (IRR)
Distribution: NL.

ARTH 49500 - Internship in Washington, D.C.: Art History (1 to 6)
The internship in Washington, D.C., provides an opportunity to gain practical experience in the fields of art and architectural history, under the joint supervision of a site supervisor and an Ithaca College faculty member. Internships are arranged through the Washington Semester Program and are subject to the availability of appropriate placement. Prerequisites: Three art history courses; sophomore standing or above; permission of the instructor. Offered only through the Washington Semester Program. Only 4 credits may count toward an art history major or minor. 1-6 credits. (F-S,Y)
Distribution: NL,UND.

ARTH 49700 - Independent Study: Art History (3)
Program of special reading and research under the supervision of a specialist in art history. Offered only on demand and by special permission. 1-4 credits. (IRR)
Distribution: FA,HU,LA.

ARTH 49800 - Senior Internship (3)
An opportunity for senior majors to gain practical experience in the fields of art and architectural history, under the joint supervision of a site supervisor and an Ithaca College faculty member. Internships are arranged individually by the student and are subject to the availability of an appropriate internship position. Prerequisites: Art History or Architectural Studies major with senior standing or permission of the department chair and permission of instructor. 3-4 credits. (Y)
Distribution: NLA.

BINT - Business- Interdisciplinary Studies

BINT 10000 - First-Year Seminar in Business (1)
Links the challenges faced by first-year college students with similar demands in business settings. Students learn that many of the issues they face individually in transition
from high school to college have parallels to those faced in business organizations. Topics covered include time management, goal setting, learning styles, communication skills, and resource utilization, among others. Open to first-year business students only. 1 credit. (F, Y)

Distribution: NLA.

**BINT 10100 - World of Business (3)**

Surveys the functional areas of business -- finance, accounting, human resources, production, marketing, and international business -- and reviews the socioeconomic, political, and legal factors that influence business decisions in a global economy. In addition, the course links the challenges faced by first-year college students with similar demands on management in business settings. Topics covered include time management, goal setting, stress management, career development, and other topics related to student and career success. Open to first-year students in business and first-year exploratory majors only. A student may not receive credit for both this course and MGMT 11100. 3 credits. (F, S, SUM, W)

Distribution: NLA.

**BINT 10400 - Professions Exploration (0)**

This program allows students to explore a career path of interest by conducting an interview with a professional. The student is expected to contact an individual within their selected profession and conduct and interview based on questions provided by the Business-Link Professions Program. Upon completion of the interview, students will write up a reflection and submit it to the Business-Link Professions Program office for review and grading. Open to first and second year business students only. This course is offered in block I and II. Prerequisites: Business-Link Professions Theme II; BINT 10400; completion of School of Business Field Immersion application and permission of instructor. Pass/fail only. 0 credits. (F, S, SUM, W)

Distribution: NLA.

**BIOC 19100 - Biochemistry (0)**

Biochemistry

Distribution: NLA.

**BIOC 19200 - Research in Biochemistry (1 to 3)**

After consultation with a faculty member doing biochemical research, the student undertakes a research project under the instruction of that faculty member. Prerequisites: Permission of the faculty member. 1-3 credits.

Distribution: LA, NS.

**BIOC 21100 - Essentials of Biochemistry (3)**

The structure of carbohydrates, lipids, nucleic acids, and proteins; the metabolism of amino acids, fatty acids, and sugars; and the structure and function of biological membranes. Prerequisites: CHEM 11200. Not open to students who have completed BIOC 35300. 3 credits. (F, Y)

Distribution: LA, NS.

**BIOC 29100 - Research in Biochemistry (1 to 3)**

After consultation with a faculty member doing biochemical research, the student undertakes a research project under the guidance of that faculty member. Prerequisites: Permission of the faculty member. 1-3 credits.

Distribution: LA, NS.

**BIOC 29200 - Research in Biochemistry (1 to 3)**

After consultation with a faculty member doing biochemical research, the student undertakes a research project under the guidance of that faculty member. Prerequisites: Permission of the faculty member. 1-3 credits.
Prerequisites: Permission of the faculty member. 1-3 credits.

Distribution: LA,NS.

**BIOC 35300 - Biochemistry: Protein Structure & Function (3)**

Introduction to biochemistry, including consideration of protein, enzyme, carbohydrate, and lipid structure and function, and metabolism of sugars, fatty acids, and amino acids. Mechanisms of reactions and control of pathways are stressed. Three hours of lecture per week. Prerequisites: CHEM 23200. 3 credits. (F,Y)

Distribution: LA,NS.

**BIOC 35400 - Biochemistry: Molecular Biology of the Gene (4)**

The structure of nucleic acids and chromosomes, replication of DNA, mutation and repair, DNA recombination, transcription, RNA processing, translation, gene regulation in prokaryotes and eukaryotes, genes and development, and molecular medicine will be covered. Three hours of lecture and one hour of discussion per week. Prerequisites: CHEM 22200 and BIOL 22700. 4 credits. (S,Y)

Distribution: LA,NS.

**BIOC 39100 - Research in Biochemistry (1 to 3)**

After consultation with a faculty member doing biochemical research, the student undertakes a research problem under the guidance of that faculty member. Prerequisites: Permission of the faculty member. 1-3 credits.

Distribution: LA,NS.

**BIOC 39200 - Research in Biochemistry (1 to 3)**

After consultation with a faculty member doing biochemical research, the student undertakes a research problem under the guidance of that faculty member. Prerequisites: Permission of the faculty member. 1-3 credits.

Distribution: LA,NS.

**BIOC 41000 - Experimental Biochemistry (2)**

Immersion in a project-based research environment, focusing on current methodologies in biochemistry, molecular biology, genomics, and bioinformatics. In a highly collaborative atmosphere, students will form an interactive research team that engages in rigorous scientific problem solving through the sharing of ideas and progress reports. Prerequisites: BIOC 35300; BIOC 35400 (may be taken concurrently). 2 credits. (S,Y)

Distribution: LA,NS.

**BIOC 49100 - Research in Biochemistry (1 to 3)**

After consultation with a faculty member doing biochemical research, the student undertakes a research problem under the guidance of that faculty member. Prerequisites: Permission of the faculty member. 1-3 credits.

Distribution: LA,NS.

**BIOC 49200 - Research in Biochemistry (1 to 3)**

After consultation with a faculty member doing biochemical research, the student undertakes a research problem under the guidance of that faculty member. Prerequisites: Permission of the faculty member. 1-3 credits.

Distribution: LA,NS.

**BIOC 49700 - Honors Research in Biochemistry (3 to 4)**

After consultation with a selected honors committee from biology and chemistry faculty, the student undertakes a research project under the guidance of a faculty member. An honors thesis and an oral defense of the thesis are required. Prerequisites: Admission to honors program; 3 credits of research at level 3 or above. 3-4 credits.

Distribution: LA,NS.

**BIOC 49800 - Honors Research in Biochemistry (3 to 4)**

After consultation with a selected honors committee from biology and chemistry faculty, the student undertakes a research project under the guidance of a faculty member. An honors thesis and an oral defense of the thesis are required. Prerequisites: Admission to honors program; 3 credits of research at level 3 or above. 3-4 credits.

Distribution: LA,NS.

**BIOL - Biology**

**BIOL 10210 - Biology of Sex (3)**

An evolutionary analysis of reproductive behavior, taking a comparative approach among animals, including humans, to better understand our own sexuality and behavior in a biological context. Topics include asexual and sexual reproduction; sex determination; genetic and environmental determinants of sexual behavior; male and female tactics; mating systems (monogamy, polyandry, polygyny); conflict of interests between the sexes; courtship displays; mate choice; assuring paternity; and parental care. This is a general education course intended
BIOL 10800 - Human Genetics (3)
Heredity in human families and populations; genetic basis of normal and abnormal traits; chromosome behavior and sex determination. Emphasis is placed on the social, ethical, and political issues in genetics. This is a general education course intended for non-science majors. Lecture/discussion: Three hours. 3 credits. (F,E)
Distribution: 2A,LA,NS.

BIOL 10900 - The Human Organism (3)
Study of the structure and function of the human body. Primary emphasis is placed on normal body function, with a secondary emphasis placed on common diseases. For non-science majors; cannot be taken by students who have completed BIOL 11500, BIOL 11900, or BIOL 12100. Lecture/discussion: Three hours. 3 credits. (F,Y)
Distribution: 2A,LA,NS.

BIOL 10310 - New and Emerging Diseases (3)
Examines the phenomenon of new and emerging diseases and their effects on humans. Topics include the history of emerging or reemerging diseases, epidemics and pandemics, the role of ecological factors in disease emergence, types of infectious agents, their mechanisms of action, and how our immune system responds to infection by these agents. We examine factors -- such as antibiotic resistance, population, environmental changes, global travel, and global warming -- that contribute to diseases in the 21st century. We also discuss how political, economic, social, and cultural factors contribute to the emergence of diseases and the response to those diseases. This is a general education course intended for non-science majors. 3 credits. (S,Y)
Distribution: 2A,LA,NS.

BIOL 10400 - Environmental Biology (3)
Blends general ecological concepts with evaluations of several environmental problems. Topics include the growth and regulation of natural populations compared to human populations; our use and future supplies of energy, from food to nuclear power; and the preservation of wildlife. The pollution of our environment by human activities is emphasized. This is a general education course intended for non-science majors. Lecture/discussion: Three hours. 3 credits. (F-S,Y)
Distribution: 2A,LA,NS.

BIOL 10600 - Plants, People, and Food Production (3)
Major emphasis is placed on the structure and function of plants; the use of plants in food production; the structure of agricultural technology; the relationship between world food supply and the population problem; scientific, social, and economic aspects of food production. This is a general education course intended for non-science majors. Lecture/discussion: Three hours. 3 credits. (IRR)
Distribution: 2A,LA,NS.

BIOL 10700 - Human Genetics (3)
Heredity in human families and populations; genetic basis of normal and abnormal traits; chromosome behavior and sex determination. Emphasis is placed on the social, ethical, and political issues in genetics. This is a general education course intended for non-science majors. Lecture/discussion: Three hours. 3 credits. (F,E)
Distribution: 2A,LA,NS.

BIOL 10800 - The Human Organism (3)
Study of the structure and function of the human body. Primary emphasis is placed on normal body function, with a secondary emphasis placed on common diseases. For non-science majors; cannot be taken by students who have completed BIOL 11500, BIOL 11900, or BIOL 12100. Lecture/discussion: Three hours. 3 credits. (F,Y)
Distribution: 2A,LA,NS.

BIOL 10900 - Life in the Ocean (3)
This course will present what we know about the geologic past. Methodologies used to study the past history of our planet will be introduced. The course will also critically analyze topics that frequently appear in the popular media such as new paleontological discoveries, new views on dinosaur biology, mass extinctions, and processes of evolution. This is a general education course intended for non-science majors. Lecture/discussion: Three hours. 3 credits. (S,Y)
Distribution: 2A,LA,NS.

BIOL 11010 - History of Life on Earth (3)
This course will present what we know about the geologic past. Methodologies used to study the past history of our planet will be introduced. The course will also critically analyze topics that frequently appear in the popular media such as new paleontological discoveries, new views on dinosaur biology, mass extinctions, and processes of evolution. This is a general education course intended for non-science majors. Lecture/discussion: Three hours. 3 credits. (IRR)
Distribution: 2A,LA,NS.

BIOL 11300 - Insects and People (3)
Why insects are the most successful animals on earth, and their negative and positive effects on people. Topics include insect structure, function, reproduction, development, and behavior; insects as pollinators and producers of useful products; insects as scavengers and applications in forensic science; insects as vectors of disease; agricultural, forestry, and household pests; chemical and biological control of insect pests. This is a general education course intended for non-science majors. Lecture/discussion: Three hours. 3 credits. (F,O)
Distribution: 2A,LA,NS.

BIOL 11400 - Exploring the World Through Evolutionary Biology (3)
Examination of the mechanisms that have resulted in the rich diversity of life on our planet. Emphasis on how evolutionary biology helps us to understand current issues in ecology, conservation biology, global climate change, agriculture, human health and medicine, and human behavior. Topics include: the fossil record, biodiversity, mass extinctions, human evolution, infectious diseases and antibiotic resistance. 3 credits. (IRR)
Distribution: 2A,LA,NS.
BIOL 11500 - Essentials of Biology (3)
A one-semester general biology course for nonmajors covering basic physiology, genetics, and development. Evolutionary trends and ecological relationships are discussed. The influence of biology on the lives of humans is emphasized. This is a general education course intended for non-science majors. Lecture/discussion: Three hours. 3 credits. (F-S,Y)
Distribution: 2A,LA,NS.

BIOL 11900 - Fundamentals of Biology (4)
A survey of biology for physical and occupational therapy, exercise science, and other health-related majors. Covers cell structure, cellular respiration, mitosis and meiosis, genetics, DNA structure and function, and animal physiology. Lecture: Three hours. Laboratory: Three hours. 4 credits. (F,Y)
Distribution: 2A,LA,NS.

BIOL 12000 - Fundamentals of Biology (4)
A survey of biology for physical and occupational therapy, exercise science, and other health-related majors. Meets the biology requirement for environmental studies majors. Covers microevolution, macroevolution (patterns of evolution of the kingdoms, of phyla of plants and animals, and of classes of vertebrates), and ecology (general and human) at the level of populations, communities, and ecosystems. Lecture: Three hours. Laboratory: Three hours. 4 credits. (F,Y)
Distribution: 2A,LA,NS.

BIOL 12100 - Principles of Biology I, Cell and Molecular (4)
First part of a two-semester lecture-laboratory sequence for biology and other science majors that surveys the field of biology. Major emphasis is placed on biochemistry, cellular biology, and genetics, and their impact on organismal structure and function. Lecture/discussion: Three hours. Laboratory: Three hours. 4 credits. (F,Y)
Distribution: 2A,LA,NS.

BIOL 12200 - Principles of Biology II, Ecology and Evolution (4)
Second part of a two-semester lecture-laboratory sequence for biology and other science majors that surveys the field of biology. Concentrates on the origins and maintenance of biodiversity through evolutionary and ecological processes. Lecture/discussion: Three hours. Laboratory: Three hours. 4 credits. (S,Y)
Distribution: 2A,LA,NS.

BIOL 20000 - Independent Study: Biology (1 to 3)
For students pursuing special laboratory projects or literature research and for teaching interns (working within the department). Discussion and/or laboratory to fit the student’s needs. Course level determined by the intended degree of independence and originality of the student’s work, and the extent of the student’s background courses. Course may be repeated for different projects. Offered on demand only. Prerequisites: Permission of instructor. 1-3 credits.
Distribution: LA,UND.

BIOL 20300 - Invertebrate Zoology (4)
The vast majority of species found on earth are invertebrates. These include many species used as "model systems" for developmental and genetic research, most parasites and vectors of disease, and most species studied in marine biology. This course emphasizes a "body plan" approach to studying invertebrates: exploring the different morphological and physiological solutions that the organisms have used to cope with environmental conditions and to accomplish the basic tasks necessary for survival. Evolutionary relationships among invertebrate phyla are examined using recent lines of evidence from developmental biology and molecular biology, as well as comparative morphology. Lab exercises include field trips to collect and study invertebrates of the region. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 12200 or BIOL 12000. 4 credits. (F,O)
Distribution: LA,NS.

BIOL 20400 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 20401 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 20402 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 20403 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)

Distribution: LA,NS.

BIOL 20404 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)

Distribution: LA,NS.

BIOL 20405 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)

Distribution: LA,NS.

BIOL 20406 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)

Distribution: LA,NS.

BIOL 20407 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)

Distribution: LA,NS.

BIOL 20408 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)

Distribution: LA,NS.

BIOL 20409 - Selected Topics: Biology (2 to 4)
Intermediate course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., histology). This course may be repeated for credit when topics vary. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; permission of instructor. 2-4 credits. (IRR)

Distribution: LA,NS.

BIOL 20500 - Biology of Aging (3)
Study of theoretical and measured aspects of the aging phenomenon as it influences human biology. Topics range from the subcellular to whole populations. Course may not be used to fulfill requirements in the biology major or minor. Prerequisites: Sophomore standing. 3 credits. (S,Y)

Distribution: 2A,LA,NS.

BIOL 20600 - Primary Human Anatomy (3)
A one-semester introduction to human anatomy designed for physical and occupational therapy majors in preparation for cadaver dissection. Lecture topics include anatomical terminology; tissues types; skeletal, muscular, and nervous systems; and regional anatomy. Emphasis in laboratory is placed on bones, muscle attachments, actions and innervations, and dissection skills. Prerequisites: BIOL 11900 or BIOL 12100 and sophomore standing. 3 credits. (S,Y)

Distribution: LA,NS.

BIOL 21000 - Research in Biology (1 to 3)
For students who desire research work but have not yet completed BIOL 30200. Prerequisites: One introductory biology course; permission of instructor. May be repeated once for credit. 1-3 credits. (F-S,Y)

Distribution: LA,UND.

BIOL 21001 - Research in Biology (1 to 3)
For students who desire research work but have not yet completed BIOL 30200. Prerequisites: One introductory biology course; permission of instructor. May be repeated once for credit. 1-3 credits. (F-S,Y)

Distribution: LA.

BIOL 21400 - Animal Physiology (4)
The study of physiological mechanisms, from the molecular and cellular to the organismic level, with an
emphasize placed on unique adaptations to environmental stresses. Specific topics include the mechanisms underlying nerve function, movement, circulation, respiration, and endocrine regulation. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 12100-12200 or BIOL 11900-12000. 4 credits. (F,Y)

Distribution: LA,NS.

BIOL 22500 - The Power of Plants: Plants in Medicine and Agriculture (4)

Explores the important roles of plants in modern society and indigenous cultures, with specific focus on plants as sources of medicines and food. Other topics include plant classification; the mechanisms of bioactive plant compounds in humans; the evolution, domestication, and genetic modification of crop plants; plant conservation; and ownership of nature. Lectures include discussions based on readings as well as lectures. Prerequisites: BIOL 11900-12000 or BIOL 12100-12200. 4 credits. (F,O)

Distribution: LA,NS.

BIOL 22700 - Genetics (4)

Principles of heredity; survey of classical genetics, human genetics, modern molecular and microbiological genetics; studies of confidence of analysis of genetic data; and interrelating transcription and translation at the cellular and organismal level. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; CHEM 12100 or CHEM 12300. 4 credits. (S,Y)

Distribution: LA,NS.

BIOL 27100 - General Ecology (4)

Presents the basic concepts of ecology with balanced treatment of plant and animal examples. Topics include the interactions among individuals of a population, interactions in their abiotic environment, and interactions with other species. Also discussed are growth, regulation, diversity, and stability of populations, and the interactions among populations at the community and ecosystems levels. Laboratories include field and laboratory work and statistical analyses of data. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 12100-12200. 4 credits. (F,Y)

Distribution: LA,NS.

BIOL 27500 - Field Biology (4)

Survey of the ecosystems of central New York. Areas of emphasis are direct experience of the diversity of ecosystems and their structure and function; adaptations of organisms to specific ecosystems; recognition of dominant and indicator species; human impact on ecosystem function and species diversity; and the methods used to measure these parameters. Lectures emphasize the unique attributes of different ecosystems and the techniques of data gathering and analysis. Analyses of societal impact and management of ecosystems are included. Lecture: Two hours. Laboratory: Six hours. Prerequisites: Two of the following: BIOL 12100, BIOL 12200, BIOL 12000, ENVS 12100. 4 credits. (F,O)

Distribution: LA,NS.

BIOL 27800 - Environmental Health and Medicine (3)

Discussion of a variety of environmental vectors of disease (air, food, drinking water, and liquid and solid wastes); routes of exposure (occupational, residential, and the unavoidable); physiological effects; and techniques to diagnose, treat, and regulate environmentally induced diseases. Additional topics include recent advances in epidemiology, biological monitoring, and risk assessment. Lecture: Three hours. Prerequisites: BIOL 11900-12000 or BIOL 12100-12200. 3 credits. (F,O)

Distribution: LA,NS.

BIOL 28400 - Field Ornithology (4)

Relation between climate, habitat, and regional bird species. Lecture and laboratory in bird anatomy, territoriality, migration, and song. Fieldwork: Saturday morning trips and bird banding. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 11500, BIOL 11900, BIOL 12000, BIOL 12100, BIOL 12200, BIOL 15100, or BIOL 15200. 4 credits. (F,E)

Distribution: 2A,LA,NS.

BIOL 30000 - Independent Study: Biology (1 to 3)

For teaching interns (working within the department) and for students pursuing special laboratory projects or literature research. Discussion and/or laboratory to fit the student’s needs. Course level determined by the intended degree of independence and originality of the student’s work and the extent of the student’s background courses. Course may be repeated. Offered on demand only. Prerequisites: Permission of instructor. 1-3 credits.

Distribution: LA,UND.

BIOL 30100 - Literature in Biology (2)

Seminar discussions based on readings and reports in current research literature. This course will discuss how to write and analyze scientific papers. Students will present research articles, critique written and oral presentations, and learn proper format for writing scientific papers. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; one other biology course at 200-level or above (excluding BIOL 20500). 2 credits. (F-S,Y)

Distribution: LA,NS.

BIOL 30200 - Research in Biology (3)

Research for biology majors. It is recommended that projects be performed during the junior year. Research areas must be selected by midterm of the semester prior to enrollment. Prerequisites: BIOL 11900-12000, or BIOL
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12100-12200: BIOL 30100 (may be taken concurrently); permission of instructor. 3 credits. (F-S,Y)
Distribution: LA,NS.

BIOL 30400 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30401 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30402 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30403 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30404 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30405 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30406 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30407 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30408 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 30409 - Selected Topics: Biology (2 to 4)
Advanced course on various topics chosen by faculty members or resulting from student requests. Taught as a regular course with students attending the same classes and laboratories. Topics include some taught in the past (e.g., advanced developmental biology, advanced genetics, and population and ecosystem ecology). May be repeated for
credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)

Distribution: LA,NS.

BIOL 30800 - Animal Behavior (4)
Explores the proximate causes and ultimate evolutionary explanations for the behavior of animals. Introduces the study of behavioral ecology by examining basic ecological problems and evaluating the behavioral solutions animals use to solve them. Lecture topics include the development of behavior, control of behavior, communication, adaptive response to predators, adaptive feeding behavior, male and female reproductive tactics, the evolution of mating systems, adaptive tactics of parents, and social behavior. Emphasis in the laboratory is placed on observation and an experimental approach to animal behavior. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 12100-BIOL 12200, or BIOL 11900-BIOL 12000, one other course in biology at 200-level or above (excluding BIOL 20500). 4 credits. (F,E)

Distribution: LA,NS.

BIOL 31500 - Neurobiology (4)
Study of the biology of the nervous system with an emphasis placed on the molecular and cellular mechanisms underlying nerve function. Also considers the function of the nervous system on an organismic level and the underlying causes of nervous system disease. Topics include ion channel function; neurotransmitters in the nervous system; sensory systems; motor systems and response to injury; and learning and memory. Lecture and discussion, with an emphasis placed on reading and analyzing the scientific literature. Prerequisites: BIOL 11900-12000 or BIOL 12100-12200; PSYC 31100 or one additional biology course at 200-level or above (excluding BIOL 20500). 4 credits. (S,Y)

Distribution: LA,NS.

BIOL 32400 - Wonderful Life: Genes, Evolution, and Biodiversity (3)
An overview of evolutionary biology that includes the study of both microevolutionary and macroevolutionary change, as well as the mechanisms of such change, using examples from many types of organisms. Topics include the studies of Charles Darwin, the modern synthesis, natural selection, population and quantitative genetics, analysis of adaptation, and mechanisms of speciation. Lectures are supplemented with outside readings and videos. Prerequisites: BIOL 22700 or BIOL 27100. 3 credits. (F,E)

Distribution: LA,NS.

BIOL 34500 - Developmental Biology (4)
Biology of embryonic development. The course covers the major features of animal development (both vertebrates and invertebrates). Topics include the morphological features of early development (fertilization, cleavage, gastrulation, establishment of the body plan), cell determination, pattern formation, and the molecular biology of early embryos. The emphasis is placed on the molecules controlling development. Discussion of human reproductive technology (in vitro fertilization, cloning, stem cells), and the impact of developmental biology on human reproduction. Lecture/discussion: Four hours. Prerequisites: BIOL 22700. 4 credits. (S,Y)

Distribution: LA,NS.

BIOL 35400 - Cell Biology (4)
Study of the relationship and unity of structure and function in living cells and cell populations. Emphasis is placed on cell organelles, cell membrane systems, and the functions of cells in cell recognition, cell signaling, regeneration, and malignancy. Prerequisites: BIOL 22700 and CHEM 22100. 4 credits. (F,Y)

Distribution: LA,NS.

BIOL 37800 - Environmental Toxicology (4)
Environmental toxicology is the study of how chemicals in the environment adversely affect biological systems. This course explores how organisms respond to pollutants at the cellular, tissue, and organismal level. Lecture topics include the behavior in the environment, routes of exposure, modes of action, mechanisms of bioaccumulation, biotransformation, and biodegradation of common pollutants. The laboratory component focuses on experimental design, data analysis, and interpretation of field and laboratory studies. Laboratory topics include the detection of pollutants and their effects on tissues, biomonitoring, toxicity testing, and the use of this information in assessing risk of exposure to toxins. Lecture: Three hours. Laboratory: Three hours. Prerequisites: One of the following course sequences: BIOL 11900-12000, BIOL 12100-12200, ENVS 12000-12100, or CHEM 22100. 4 credits. (F,E)

Distribution: LA,NS.
BIOL 40200 - Biology Honors Program (2 to 3)
Research and thesis for biology majors pursuing the honors program. It is recommended that the research program begin no later than the end of the junior year and continue to the end of the senior year. Prerequisites: Acceptance into the honors program. 2-3 credits. (F-S,Y)
Distribution: LA,NS.

BIOL 40400 - Selected Topics: Biology (2 to 4)
Advanced course offered on various topics chosen by faculty members or resulting from student requests. Taught as a regular course, with students attending the same classes and laboratories. Topics include some taught in the past, such as Biological Membranes: A Seminar on Structure and Function. This course may be repeated for credit when topics vary. Prerequisites: Permission of instructor. 2-4 credits. (IRR)
Distribution: LA,NS.

BIOL 40500 - Parasites and Vectors of Disease (4)
General survey of parasitism throughout the animal kingdom, with special attention to parasites important to human and veterinary medicine. Topics include: systematics, morphology, and life cycles of parasites; coevolution of hosts and their parasites; the use of parasites and parasitoids as biological control agents of pest species; and the influence of parasites on population biology and community structure of host species. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 12100 and BIOL 12200 or BIOL 11900 and BIOL 12000, one other course in biology at level 2 or above; BIOL 30100 (may be taken concurrently) or BIOC 35300 (may be taken concurrently). 4 credits. (F,E)
Distribution: LA,NS.

BIOL 41100 - Biology Seminar (0.5)
Seminars, discussion, and readings in the biological sciences. Required of senior biology majors. Prerequisites: BIOL 30100 and junior standing. 0.5 credit. Pass/fail only. (F-S, Y)
Distribution: LA,NS.

BIOL 41200 - Biology Seminar (0.5)
Seminars, discussion, and readings in the biological sciences. Required of senior biology majors. Prerequisites: BIOL 30100 and junior standing. 0.5 credit. Pass/fail only. (F-S,Y)
Distribution: LA,NS.

BIOL 45200 - Microbiology (4)
Physiology, significance, and identification of microorganisms. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 35400.
Distribution: LA,NS.

BIOL 46100 - Ecophysiology (4)
Examines the function and performance of animals and plants in their environment. This course integrates information from molecular biology through organismal physiology to understand the mechanisms that allow organisms to survive in their physical, chemical, and biological environments. This information is analyzed to understand how these small-scale processes affect higher levels of organization, from biotic communities up to global-level issues. Topics include adaptations to extremes in temperature, energy availability, moisture, and nutrients. Examples will be taken from organisms living in a wide variety of environments, including deserts, the Arctic, temperate forests, marine environments, and rain forests. Lecture and discussion, with an emphasis on reading and analyzing the scientific literature. Prerequisites: BIOL 27100; BIOL 21400 or BIOL 47300. 4 credits. (S,E)
Distribution: LA,NS.

BIOL 47300 - Plant Physiology (4)
Intensive study of the basic physiological and biochemical processes of plants. Emphasis is placed on interaction between cellular structure and function, as well as coordination of the various physiological processes throughout the organism. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 12100-12200, or BIOL 11900-12000; CHEM 12100 or CHEM 12300; CHEM 22100; CHEM 22200. 4 credits. (S,O)
Distribution: LA,NS.

BIOL 47600 - Endocrinology (4)
Introduces the mechanisms by which hormones control their targets and provides background on the major vertebrate hormones. The course then covers current research in endocrinology, analyzing topics such as weight control, growth, gender differentiation, reproduction, the stress response, and environmental endocrine disrupters. Lecture and discussion, with an emphasis placed on reading and analyzing the scientific literature. Prerequisites: BIOL 21400; BIOC 35300 or BIOL 30100, (may be taken concurrently). 4 credits. (S,O)
Distribution: LA,NS.

BIOL 47800 - Evolution (3)
An overview of the field of evolutionary biology that includes the study of both microevolutionary and macroevolutionary change and the mechanisms of change. Specific topics of focus will include the nature of natural selection, population genetics, molecular evolution, adaptation, mechanisms of speciation, phylogenetic analysis, sexual selection, and the evolution of social behavior. Lecture: Three hours. Prerequisites: BIOL 22700. 3 credits. (F,O)
Distribution: LA,NS.
BIOL 47900 - Aquatic Ecology (4)
Explores the biological, chemical, and physical features of lakes and streams, features that are related to general ecological concepts and environmental concerns. Focuses on the invertebrate and fish communities and the physiological adaptations of species to the aquatic environment. Theoretical approaches and practical techniques will be addressed. Lecture: Three hours. Laboratory: Three hours. Prerequisites: BIOL 27100; CHEM 12400; senior standing. 4 credits. (S,O)
Distribution: LA,NS.

BIOL 49250 - Seminar in Neuroscience (3)
Intensive investigation of selected topics in neuroscience intended primarily for neuroscience minors. Cross-listed with PSYC 49250. Students cannot receive credit for BIOL 49250 and PSYC 49250. Prerequisites: Senior standing; permission of instructor. 3 credits. (S,Y)
Distribution: LA.

CHEM - Chemistry
CHEM 10100 - Chemistry and Your Body (3)
A course designed for students who have chosen to major in areas other than science. An introduction to the basic ideas of chemistry, the nature and structure of chemical compounds, and the meaning of chemical symbols. An application of these ideas and understandings to the chemistry of the body, with specific discussion of food, drugs, cosmetics, and other health-related topics. Three hours of lecture and/or discussion per week. Not open to students who have taken CHEM 12100 or CHEM 12300. 3 credits. (S,Y)
Distribution: 2A,LA,NS.

CHEM 10200 - Contemporary Chemical Issues (3)
A description and discussion of new compounds and materials made by the chemical industry during the past 100 years that have properties superior to those of naturally occurring products. Many of these advances have significantly improved modern living; however, byproducts of some of these advances have also decreased the overall quality of life. After an introduction to the language and symbols of chemistry, topics related to contemporary problems and examples follow some compounds from research curiosities to industrial products. Three hours of lecture and/or discussion per week. Not open to students who have taken CHEM 12100 or CHEM 12300. 3 credits. (IRR)
Distribution: 2A,LA,NS.

CHEM 10500 - Energy and the Environment (3)
Description and discussion of types and sources of natural resources. Background is presented in terms of simple chemical principles understandable to students with majors other than the sciences. Topics of societal concern include air pollution, acid rain, global warming, ozone depletion, and upcoming energy shortages. Viable solutions to these problems are discussed. Primarily for students majoring in areas other than science or physical therapy. Three hours of class meeting per week, including discussion, lecture, and quizzes. Not open to students who have taken CHEM 12100 or CHEM 12300. 3 credits. (F,Y)
Distribution: 2A,LA,NS.

CHEM 10600 - Preparation for Principles of Chemistry (2)
A review of topics generally found in high school chemistry and an introduction to the heuristic approach to the solution of chemical problems. This course is intended for students who feel the need for some formal preparation before taking CHEM 12100 Principles of Chemistry. Emphasis is placed on student participation. Three hours of recitation per week. Prerequisites: Math placement in group 3, 2, or 1, or C- or better in MATH 10000 or MATH 18000. Pass/fail only. 2 credits. (S,Y)
Distribution: 2A,LA,NS.

CHEM 10800 - Introduction to Technology (3)
A course for non-science students, with an emphasis on the applications rather than the theories of science. This course examines those technologies, primarily nuclear technology (civilian and military) and biotechnology, that will significantly affect our lives in the years to come. Three hours of lecture and/or discussion per week. 3 credits. (IRR)
Distribution: 2A,LA,NS.

CHEM 11000 - General Chemistry (3)
General chemistry for occupational therapy majors. Topics from inorganic, organic, and biological chemistry, including the electronic structure of atoms, stoichiometry, equilibria, acids and bases, thermodynamics, kinetics, nomenclature, structure, and reactions of organic compounds and biochemcials. Required for occupational therapy majors. Prerequisites: High school chemistry. 3 credits. (S,Y)
Distribution: 2A,LA,NS.

CHEM 11200 - Organic Chemistry and Biochemistry (3)
Introduction to general theories and principles of organic chemistry and biochemistry. The naming and structure of organic compounds, reactivities of the various functional groups in both aliphatic and aromatic compounds, and an introduction to the organic chemistry of biologically important systems. Three hours of lecture per week, with a fourth hour scheduled for review session and exams. Prerequisites: CHEM 12100 or CHEM 12300. 3 credits. (S,Y)
COURSE DESCRIPTIONS

CHEM 11000 - Chemistry Laboratory (1)
Designed to complement the CHEM 12100-11200 sequence. Deals with organic reactions. One laboratory per week. Prerequisites: CHEM 12100 or CHEM 12300; CHEM 11200 prior or concurrent. 1 credit. (S, Y)
Distribution: 2A, LA, NS.

CHEM 11700 - Environmental Chemistry (3)
General principles of chemistry needed for the study of environmental science. Topics include mathematical methods, electronic structure of atoms, stoichiometry, equilibria, acids and bases, thermodynamics, kinetics, and nuclear chemistry. Not open to students who have taken CHEM 12100 or CHEM 12300. 3 credits. (F, Y)
Distribution: 2A, LA, NS.

CHEM 11900 - Environmental Chemistry Laboratory (1)
Hands-on experience with modern analytical instruments that are frequently encountered in environmental assessments. The course prepares students to be technologically knowledgeable and authoritative in their future careers. Prerequisite: CHEM 11700 (may be taken concurrently). Laboratory: Four hours. 1 credit. (F, Y)
Distribution: LA, NS.

CHEM 12000 - Topics in Chemistry and Biochemistry (1)
Introduction to research projects and selected topics in chemistry and biochemistry. Natural science faculty in Biology, Chemistry, and Physics will present topics of interest on a rotating basis. Primarily intended for biochemistry and chemistry majors. One meeting per week. Pass/Fail only. 1 credit. (F, Y)
Distribution: LA, NS.

CHEM 12100 - Principles of Chemistry (4)
Introduction to general theories and principles of chemistry stressing underlying correlations. Systematic study of the periodic table, with an emphasis on bonding and the quantitative relationships among the elements. Three hours of lecture per week. One laboratory per week. Intended for students who have completed high school chemistry with minimum grade of C. Prerequisites: Math placement in group 3 or better. Students cannot receive credit for both CHEM 12100 and CHEM 12300. 4 credits. (F, Y)
Distribution: 2A, LA, NS.

CHEM 12300 - Principles of Chemistry - Enriched Section (4)
Introduction to general theories and principles of chemistry, stressing underlying correlations. Systematic study of the periodic table with an emphasis on bonding and the quantitative relationships among the elements. The course covers additional topics and examples of scientific interest not included in CHEM 12100. Three hours of lecture per week and one laboratory per week. Intended for students with a strong background in chemistry with a score of 4 or 5 on AP Chemistry, or minimum score of 50 on General Chemistry CLEP, or 4-7 on IB Chemistry. Prerequisites: Math placement in group 1 and permission of instructor. Students cannot receive credit for both CHEM 12100 and CHEM 12300. 4 credits. (F, Y)
Distribution: 2A, LA, NS.

CHEM 12400 - Experimental Chemistry I (2)
First semester of a five-semester modern laboratory sequence designed to cut across subdisciplinary lines. Quantitative analysis, inorganic synthesis, and modern instrumental techniques, such as ultraviolet, visible, and infrared spectrophotometry, are introduced. One lecture and one laboratory per week. Prerequisites: CHEM 12100 or CHEM 12300; and CHEM 22100 (may be taken concurrently). 2 credits. (S, Y)
Distribution: 2A, LA, NS.

CHEM 17100 - Undergraduate Instruction in Chemistry (1)
Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. Pass/fail only. 1 credit.
Distribution: NLA.

CHEM 17200 - Undergraduate Instruction in Chemistry (1)
Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. Pass/fail only. 1 credit.
Distribution: NLA.

CHEM 18100 - Selected Topics in Chemistry (1 to 3)
Course content depends on interests of the registrants and may include informed discussions, outside reading, and either library or laboratory projects. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Permission of instructor. 1-3 credits. (IRR)
Distribution: LA, NS.

CHEM 18200 - Selected Topics in Chemistry (1 to 3)
Course content depends on interests of the registrants and may include informed discussions, outside reading, and either library or laboratory projects. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Permission of instructor. 1-3 credits. (IRR)
Distribution: 2A, LA, NS.

CHEM 19100 - Research in Chemistry (1 to 3)
After consultation with the faculty of the Department of Chemistry, the student undertakes a research problem
under the guidance of one or more faculty members. Prerequisites: Permission of department. 1-3 credits.

Distribution: LA,NS.

CHEM 19200 - Research in Chemistry (1 to 3)

After consultation with the faculty of the Department of Chemistry, the student undertakes a research problem under the guidance of one or more faculty members. Prerequisites: Permission of department. 1-3 credits.

Distribution: LA,NS.

CHEM 22100 - Organic Chemistry I (3)

Introduction to the structure and reactivity of carbon compounds. Topics include bonding, isomerism, stereochemistry and the reactions of alkenes, alkynes, and alkyl halides with emphasis on reaction mechanisms. Analytical methods to study organic molecules; particularly infrared spectroscopy and nuclear magnetic resonance spectroscopy are also covered. The use of scientific and logical thought patterns is stressed in problem solving. Three hours of lecture per week. Prerequisites: CHEM 12100 or CHEM 12300. 3 credits. (S,Y)

Distribution: LA,NS.

CHEM 22200 - Organic Chemistry II (3)

Continuation of CHEM 22100. Course covers the chemistry and reactivity of carbonyl functional groups, including aldehydes, ketones, esters, and amides. Aromaticity and select topics in biological chemistry are also covered. The use of scientific and logical thought patterns is stressed in problem solving. Three hours of lecture per week. Prerequisites: CHEM 22100 (with a grade of C- or better). 3 credits. (F,Y)

Distribution: LA,NS.

CHEM 22500 - Experimental Chemistry II (2)

Emphasis is placed on synthesis and qualitative analysis, using infrared and nuclear magnetic resonance spectroscopy and various chromatographic techniques. One lecture and one laboratory per week. Prerequisites: CHEM 12400 (with a grade of C- or better); CHEM 22200 (may be taken concurrently). 2 credits. (F,Y)

Distribution: LA,NS.

CHEM 23200 - Quantitative Chemistry (3)

Foundations for advanced work in chemistry, biochemistry, biology, and related subjects. Quantitative approach to chemical equilibrium, chemical kinetics, chemical thermodynamics, and electrochemistry. Prerequisites: CHEM 12400 and CHEM 22200. 3 credits. (S,Y)

Distribution: LA,NS.

CHEM 27100 - Undergraduate Instruction in Chemistry (1)

Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. 1 credit.

Distribution: NLA.

CHEM 27200 - Undergraduate Instruction in Chemistry (1)

Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. Pass/fail only. 1 credit.

Distribution: NLA.

CHEM 28100 - Selected Topics in Chemistry (1 to 3)

Course content depends on interests of the registrants and may include informed discussions, outside reading, and either library or laboratory projects. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Permission of instructor. 1-3 credits. (IRR)

Distribution: LA,NS.

CHEM 28200 - Selected Topics in Chemistry (1 to 3)

Course content depends on interests of the registrants and may include informed discussions, outside reading, and either library or laboratory projects. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Permission of instructor. 1-3 credits. (IRR)

Distribution: LA,NS.

CHEM 28900 - Undergraduate Instruction in Chemistry (1)

Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. Pass/fail only. 1 credit.

Distribution: NLA.

CHEM 29100 - Research in Chemistry (1 to 3)

After consultation with the faculty of the Department of Chemistry, the student undertakes a research problem under the guidance of one or more faculty members. Prerequisites: Permission of department. 1-3 credits.

Distribution: LA,NS.

CHEM 29200 - Research in Chemistry (1 to 3)

After consultation with the faculty of the Department of Chemistry, the student undertakes a research problem under the guidance of one or more faculty members. Prerequisites: Permission of department. 1-3 credits.

Distribution: LA,NS.

CHEM 32400 - Experimental Chemistry III (3)

Part three of the unified sequence. Project-oriented experiments to deal with concepts normally found in instrumental analysis, physical, organic, and inorganic laboratory courses. Emphasis is placed on using synthetic techniques, modern analysis by instrumentation, and studies of the physical properties of chemical systems. One lecture and two laboratories per week. Prerequisites: CHEM 22500 (with a grade of C- or better); CHEM 23200 prior or concurrent. 3 credits. (S,Y)

Distribution: LA,NS.
CHEM 32500 - Experimental Chemistry IV (3)
Part four of the unified sequence. Project-oriented experiments to deal with concepts normally found in instrumental analysis, physical, organic, and inorganic laboratory courses. Emphasis is placed on using synthetic techniques, modern analysis by instrumentation, and studies of the physical properties of chemical systems. One lecture and two laboratories per week. Prerequisites: CHEM 32400 (with a grade of C- or better); CHEM 34200 (may be taken concurrently). 3 credits. (S,Y)
Distribution: LA,NS.

CHEM 32600 - Experimental Chemistry V (3)
Completion of the unified sequence. Project-oriented experiments to deal with concepts normally found in instrumental analysis, physical, organic, and inorganic laboratory courses. Emphasis is placed on using synthetic techniques, modern analysis by instrumentation, and studies of the physical properties of chemical systems. One lecture and two laboratories per week. Prerequisites: CHEM 32400 (with a grade of C- or better), CHEM 33100 (may be taken concurrently); CHEM 33200. 3 credits. (F,Y)

CHEM 33100 - Physical Chemistry I (3)
A theoretical interpretation of nature from the macroscopic viewpoint. Includes an introduction to thermodynamics, electrochemistry, and chemical kinetics. Prerequisites: CHEM 23200; MATH 10800 or MATH 11200; PHYS 10200 or PHYS 11800. 3 credits. (F,Y)
Distribution: LA,NS.

CHEM 33200 - Physical Chemistry II (3)
A theoretical interpretation of nature from the microscopic viewpoint. Includes an introduction to the kinetic molecular theory of gases, quantum chemistry, and spectroscopy. Prerequisites: CHEM 23200; MATH 10800 or MATH 11200; PHYS 10200 or PHYS 11800. 3 credits. (S,Y)
Distribution: LA,NS.

CHEM 34200 - Inorganic Chemistry (3)
Theories of atomic structure and chemical bonding are applied systematically to the elements. Emphasis is placed on thermodynamic, kinetic, and structural considerations of inorganic systems. Three hours of lecture per week. Prerequisites: CHEM 33100 (may be taken concurrently). 3 credits. (F,Y)
Distribution: LA,NS.

CHEM 35400 - Polymer Chemistry (1.5)
Study of the synthesis, structure, and properties of polymers, with a special emphasis on practical applications in the chemical industry. Topics include sources of chemical raw materials, plastics, fibers, drugs, surface coatings, food chemicals, dyes, and pigments. Specific examples illustrate the scientific basis for the performance of familiar, everyday materials. Prerequisites: CHEM 22200. 1.5 credits. (IRR, B)
Distribution: LA,NS.

CHEM 35600 - Nuclear Magnetic Resonance (1.5)
Study of nuclear magnetic resonance and its application in organic and inorganic chemistry. Topics include instrumentation, chemical shift, spin-spin coupling, C-13 spectra, and modern pulse FT techniques. Emphasis on spectral interpretations and practical applications. Includes experiments using multi-pulse techniques. Prerequisites: CHEM 22200. 1.5 credits. (IRR,B)
Distribution: LA,NS.

CHEM 37100 - Undergraduate Instruction in Chemistry (1)
Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. Pass/fail only. 1 credit.
Distribution: NLA.

CHEM 37200 - Undergraduate Instruction in Chemistry (1)
Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. Pass/fail only. 1 credit.
Distribution: NLA.

CHEM 38100 - Selected Topics in Chemistry (1 to 3)
Course content depends on interests of the registrants and may include informed discussions, outside reading, and either library or laboratory projects. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Permission of instructor. 1-3 credits. (IRR)
Distribution: LA,NS.

CHEM 38200 - Selected Topics in Chemistry (1 to 3)
Course content depends on interests of the registrants and may include informed discussions, outside reading, and either library or laboratory projects. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Permission of instructor. 1-3 credits. (IRR)
Distribution: LA,NS.

CHEM 39100 - Research in Chemistry (1 to 3)
After consultation with the faculty of the Department of Chemistry, the student undertakes a research problem under the guidance of one or more faculty members. Prerequisites: Permission of department. 1-3 credits.
CHEM 39200 - Research in Chemistry (1 to 3)
After consultation with the faculty of the Department of Chemistry, the student undertakes a research problem under the guidance of one or more faculty members. Prerequisites: Permission of department. 1-3 credits.
Distribution: LA, NS.

CHEM 42100 - Advanced Organic Chemistry (3)
Detailed discussion of reaction mechanisms, isotope effects, linear free energy relationships, bonding theories, and advanced synthetic methods. Prerequisites: CHEM 22200 and CHEM 33200. 3 credits. (IRR)
Distribution: LA, NS.

CHEM 42200 - Advanced Inorganic Chemistry (3)
Chemistry of coordination compounds in light of modern theory. The electronic, magnetic, and spectral properties of transition metal complexes are considered, with the application of group theoretical techniques. Other topics include formation and stability of complex ions, mechanism of reactions of these ions, and complexes of transition metal ions of biological interest. Three hours of lecture per week. Prerequisites: CHEM 34200. 3 credits. (IRR)
Distribution: LA, NS.

CHEM 43200 - Bio-Organic Chemistry (3)
Covers the modern interface of chemistry and biology, as well as an examination of current developments in biotechnology. Topics include combinatorial chemistry and modern synthetic methods, protein engineering, innovative approaches to drug design, enzyme mimics, and in vitro evolution of functional biopolymers. Prerequisites: CHEM 32400. 3 credits. (IRR)
Distribution: LA, NS.

CHEM 44200 - Computational Chemistry (3)
A solid understanding of the theoretical aspects of computational modeling and its utility and limitations in predicting electronic structures, molecular geometries, chemical dynamics, and chemical reactivity. In addition, the student will gain a hands-on, working knowledge of modern computational methods. Prerequisites: CHEM 32400; CHEM 33200. 3 credits. (IRR)
Distribution: LA, NS.

CHEM 44400 - Chemical Applications of Group Theory (3)
The chemical applications of symmetry and group theory, with a special emphasis placed on chemical bonding and spectroscopy. The necessary mathematical underpinnings for this course, including vectors, matrix algebra, and group theory, are presented largely in terms of symmetry operations and related properties of molecules.

Prerequisites: CHEM 34200 and CHEM 33100. 3 credits. (IRR)
Distribution: LA, NS.

CHEM 45200 - Instrumental Analysis (3)
Familiarizes students with the principles and applications of modern analytical instrumentation for chemical analysis through hands-on experience with a wide variety of instrumental techniques. Prerequisites: CHEM 32400; PHYS 10200 or PHYS 11800. 3 credits. (IRR)
Distribution: LA, NS.

CHEM 47100 - Undergraduate Instruction in Chemistry (1)
Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. Pass/fail only. 1 credit.
Distribution: NLA.

CHEM 47200 - Undergraduate Instruction in Chemistry (1)
Qualified undergraduates are given opportunities to participate in the department's instructional program, serving as laboratory assistants and/or tutors. Prerequisites: Permission of department. Pass/fail only. 1 credit.
Distribution: NLA.

CHEM 48100 - Selected Topics in Chemistry (1 to 3)
Course content depends on interests of the registrants and may include informed discussions, outside reading, and either library or laboratory projects. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Permission of instructor. 1-3 credits. (IRR)
Distribution: LA, NS.

CHEM 48200 - Selected Topics in Chemistry (1 to 3)
Course content depends on interests of the registrants and may include informed discussions, outside reading, and either library or laboratory projects. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Permission of instructor. 1-3 credits. (IRR)
Distribution: LA, NS.

CHEM 48700 - Chemistry Seminar (1)
Series of lectures dealing with current research topics in chemistry and biochemistry presented by the faculty, visitors, and students. Each student is required to present a talk during the semester. One meeting per week. Prerequisites: Permission of department. Pass/fail only. 1 credit. (F,Y)
Distribution: LA, NS.

CHEM 48800 - Chemistry Capstone (3)
A team of professors leads discussions on current topics in chemistry that require students to assimilate knowledge
from courses they have taken. Ethics in science is addressed. Seminars will also be given by guest speakers. Prerequisites: CHEM 32500 and CHEM 32600. 3 credits.

Distribution: LA,NS.

CHEM 49100 - Honors Research in Chemistry (3 to 4)
After consultation with the faculty of the Department of Chemistry, a research problem is undertaken under the guidance of a faculty member. A written report on the results of the research is required. Prerequisites: Admission to chemistry honors program. 3-4 credits.

Distribution: LA,NS.

CHEM 49200 - Honors Research in Chemistry (3 to 4)
After consultation with the faculty of the Department of Chemistry, a research problem is undertaken under the guidance of a faculty member. A written report on the results of the research is required. Prerequisites: Admission to chemistry honors program. 3-4 credits.

Distribution: LA,NS.

CHIN - Chinese

CHIN 10100 - Elementary Chinese I (0 to 4)
Introductory course designed to develop spoken and written skills in Mandarin Chinese. Students will be introduced to pinyin (sounds tones), vocabulary, characters (simplified version), and grammatical constructions. Participation, self-expression, and cultural awareness will be emphasized. Open to students with no previous Chinese, or by placement examination. 4 credits (F,Y)

Distribution: 3A,G,HU,LA.

CHIN 10200 - Elementary Chinese II (4)
Continuation of CHIN 10100. Limited to students who have successfully completed CHIN 10100 with a grade of C- or better, or by permission of instructor. Prerequisite: CHIN 10100, or equivalent, with a grade of C- or better. 4 credits. (S,Y)

Distribution: 3A,G,HU,LA.

CHIN 20100 - Intermediate Chinese I (3)
This course will further develop speaking, listening, reading and writing proficiency. Special emphasis will be given to conversational and writing skills. Chinese culture, history and society will be discussed through selected readings. Prerequisite: CHIN 10200, or equivalent, with a grade of C- or better, or with instructor permission. 3 credits. (F,Y)

Distribution: HU,LA.

CHIN 20200 - Intermediate Chinese II (3)
Continuation of CHIN 20100. Emphasis will be given to oral and written proficiency. Prerequisite: CHIN 20100 with a grade of C- or better, or with instructor permission. 3 credits. (S,Y)

Distribution: HU,LA.

CLTC - Culture and Communication

CLTC 10000 - Introduction to Culture and Communication (3)
Introduction to the interdependent relationship between symbols, rituals, artifacts, and patterns of thought of cultural groups and the communication practices of those groups. Core concepts are demonstrated through an illustrative case focused on a social issue, problem, or other phenomenon. Students are also introduced to resources and basic skills that enhance study in the liberal arts. 3 credits. (F,S)

Distribution: 1,LA,SS.

CLTC 23000 - Special Topics in Media Literacy (3)
Using the principles and practice of media literacy, this course will examine how media messages are constructed and how they affect our individual and collective understanding of specific topics. Students will develop critical decoding skills through analysis of current and historical media documents. A wide range of media forms will be explored, including digital, audio, audiovisual, and print-based media. Each year the seminar will focus on a different topic reflecting current issues and media literacy curricula developed at the College (e.g., environmental issues, social justice, peace and war). In presidential election years, the topic will be media construction of presidential campaigns. Prerequisites: Sophomore standing. Can be repeated for up to 6 credits when topics vary. 3 credits. (F, Y)

Distribution: HU,LA.

CLTC 23001 - Selected Topics in Media Literacy (3)
Using the principles and practice of media literacy, this course will examine how media messages are constructed and how they affect our individual and collective understanding of specific topics. Students will develop critical decoding skills through analysis of current and historical media documents. A wide range of media forms will be explored, including digital, audio, audiovisual, and print-based media. Each year the seminar will focus on a different topic reflecting current issues and media literacy curricula developed at the College (e.g., environmental issues, social justice, peace and war). In presidential election years, the topic will be media construction of presidential campaigns. Prerequisites: Sophomore standing. Can be repeated for up to 6 credits when topics vary. 3 credits. (F, Y)

Distribution: HU, LA.

CMSP 29500 - Community Service Independent Study (1 to 4)

Students may register for independent study in areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Those interested should obtain the independent studies application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of the student's adviser; permission of department chair and dean. 1-4 credits.

Distribution: LA, UND.

CMSP 39500 - Community Service Independent Study (1 to 4)

Together with a faculty sponsor, students develop an interdisciplinary work-study project that combines an academic core with responsibilities in a professional setting. A design statement must be developed and approved in advance. Application forms and guidelines are available in the office of the dean. Students should have completed most of a major that prepares them for the work experience. No more than 12 internship credits may be counted toward a degree. Advance approval by the provost is required for the 7th to 12th credits. Prerequisites: Permission of department chair and dean. Variable credit.

Distribution: LA, UND.

CMSP 39700 - Internship: Community Service (1 to 12)

The community service program deals with volunteer work throughout the Ithaca area. Agencies train and orient students to their individual needs. The program is offered on a credit or noncredit basis. A faculty sponsor is needed if credit is desired. Prerequisites: Permission of department chair and dean. 1-4 credits.

Distribution: LA, UND.

CMSP 39900 - Community Service Independent Study (1 to 4)

Students may register for independent study in areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Those interested should obtain the independent studies application form and guidelines from the office of the dean and develop a project in
consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of the student's adviser; permission of department chair and dean. 1-4 credits.

Distribution: LA,UND.

CMSP 49500 - Community Service (0 to 9)
The community service program deals with volunteer work throughout the Ithaca area. Agencies train and orient students to their individual needs. The program is offered on a credit or noncredit basis. A faculty sponsor is needed if credit is desired. Prerequisites: Permission of department chair and dean. Variable credit; minimum of 2 credits. (Y)

Distribution: NLA.

CMSP 49700 - Internship: Community Service (1 to 12)
Together with a faculty sponsor, students develop an interdisciplinary work-study project that combines an academic core with responsibilities in a professional setting. A design statement must be developed and approved in advance. Application forms and guidelines are available in the office of the dean. Students should have completed most of a major that prepares them for the work experience. No more than 12 internship credits may be counted toward a degree. Advance approval by the provost is required for the 7th to 12th credits. Prerequisites: Permission of department chair and dean. Variable credit.

Distribution: NLA,UND.

CMSP 49900 - Community Service Independent Study (1 to 4)
Students may register for independent study in areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Those interested should obtain the independent studies application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of the student's adviser; permission of department chair and dean. 1-4 credits.

Distribution: LA,UND.

CMST - Communication Studies

CMST 11000 - Public Communication (3)
Exposure to a variety of speaking situations as a means to more comfortable, effective communication. Brief unit on language followed by exercises in various kinds of influential speaking. Emphasis is placed on the ethical responsibilities of the speaker and on the need for a critical posture by both speaker and listener. 3 credits. (F-S,Y)

Distribution: 3A,HU,LA.

CMST 11500 - Business & Professional Comm (3)
Study of public communication skills used in business and professional settings; emphasis is placed on presentational speaking and motive analysis; opportunity for individualized skill development provided. 3 credits. (F-S,Y)

Distribution: HU,LA.

CMST 12000 - Communication, Culture, & Rhetoric (3)
Introduction to fundamentals of rhetorical theory and rhetorical approaches to the study of communication. Emphasis is placed on the discovery and critical analysis of the rhetorical impulse in a variety of forms of persuasion. Includes a basic survey of rhetorical forms such as speeches, essays, advertising, films, and television. 3 credits. (F,Y)

Distribution: 1,HU,LA.

CMST 12400 - Courtrooms & Communication (3)
An investigation of trials and legal advocacy as communication phenomena. The course includes observations of live criminal trials and participation in mock trials. 3 credits. (F,Y)

Distribution: 1,HU,LA.

CMST 13200 - Storytelling (3)
Introduction to the practice, history, and theories of storytelling as a performing art. Emphasis is placed on cultural dimensions of oral/folk narrative through study of tales and traditions from different cultures and ethnicities. Students examine a variety of situations and functions for storytelling (e.g., bardic, theatrical, religious). 3 credits. (F,Y)

Distribution: 3B,FA,LA.

CMST 14000 - Small Group Communication (3)
Examination of the dynamics of small group communication with a focus on problem-solving groups. Topics include leadership, cohesiveness, norms, roles, conflict, problem-solving techniques, conformity and deviance, networks, and listening skills. 3 credits. (F-S,Y)

Distribution: 1,LA,SS.

CMST 14900 - Fundamentals of Interpersonal Communication (3)
Introduction to basic principles of interpersonal communication. Presents a theoretical perspective integrated with activities in and out of the classroom. Topics include interpersonal perception, language, nonverbal communication, self-concept, social roles, conflict management, and dynamics of intimacy. 3 credits. (F-S,Y)

Distribution: 1,LA,SS.

CMST 15000 - Introduction to Communication Theory (3)
Survey course studying a range of theories within the discipline. Included are the processes of communication
CMST 21500 - Argumentation & Debate (3)
Study of the philosophy of argument and logic in persuasion, debate forms, construction of the debate case, and responsibility for reasoned discourse in a society. Prerequisites: Two courses in the humanities and/or social sciences. 3 credits. (F,Y)
Distribution: 1,LA,SS.

CMST 21800 - Communication Studies for the Classroom Teacher (3)
Familiarizes students with communication in the classroom from the standpoint of the teacher. Students are exposed to a variety of communication situations, such as lecture, discussion, and simulation, that typify the educational setting, and they are required to demonstrate proficiency in directing and critiquing in-class experiences of various types. Designed for nonmajors. Prerequisites: 6 credits of coursework in major academic area. 3 credits. (S,E)
Distribution: HU,LA.

CMST 21900 - Communication Studies Practicum (1)
Practical experience in speech on campus, at the intercollegiate level, and in the community at large; debate and legislative assemblies; discussion, oratory, impromptu, and extemporaneous speaking; oral interpretation and readers' theater. The instructor will designate the minimum activities required to receive credit. May be repeated for a total of 8 credits. Prerequisites: Permission of instructor; participation in one of the department's cocurricular programs (such as debate or readers' theater). Pass/fail only. 1 credit. (F-S,Y)
Distribution: HU,LA.

CMST 22600 - Health Communication (3)
Introduction to the field of health communication, including origins and development. Presents theories of health behavior and communication and how they relate to one another in practice. Examines communication between health professionals and clients, and the roles media play in the health care industry and the delivery of health services. Cross-listed with HLTH 22600. Students may not receive credit for both HLTH 22600 and SPCM 22600. Prerequisites: Sophomore standing or above. 3 credits. (F,Y)
Distribution: LA,SS.

CMST 23000 - Analysis and Performance of Literature (3)
Introduction to the art of oral interpretation of literature, including communicative and literary analysis, oral performance, and performance criticism. Survey of basic performance and analysis techniques for fictional prose and poetry. Prerequisites: Two courses in the humanities and/or social sciences. 3 credits. (S,Y)
Distribution: 3A,3B,FA,LA.

CMST 24300 - Interviewing (3)
Focuses on the theory and practice of interviewing. Applies communication theories during several classroom and field interviewing opportunities. Prerequisites: Sophomore standing. 3 credits. (F,Y)
Distribution: LA,SS.

CMST 28900 - Selected Topics: Communication Studies (3)
Topics of current interest. Examples include nonverbal communication, campaign rhetoric, listening, intrapersonal communication, and legislative and parliamentary procedure. May be repeated for credit when topics vary. Prerequisites: Three courses in the humanities and/or social sciences; additional prerequisites as appropriate to the topic. 3 credits. (IRR)
Distribution: HU,LA.

CMST 29700 - Directed Readings (1 to 4)
Study of an extensive selection of literature, compiled by an instructor, on a topic of special interest. This literature should further student development within a relevant topic area that is not otherwise covered in an available course. Offered on demand only. Prerequisites: Three credits in communication studies; sophomore standing; approval of the communication studies faculty. 1-4 credits.
Distribution: HU,LA,SS.

CMST 31100 - Advanced Public Communication (3)
Advanced public speaking, with three complementary goals: (1) to develop a professional level of oral skill before a live audience; (2) to practice advanced communication skills in the public sphere as speakers, speechwriters, and consultants; and (3) to be exposed to a variety of speech types and criteria by which speeches can be judged. Prerequisites: SPCM 11000 or SPCM 11500; three courses in the humanities and/or social sciences. 3 credits. (Y)
Distribution: 3A,HU,LA.

CMST 32400 - Rhetoric and Social Order (3)
Study of the rhetoric and persuasion of social groups. Focuses on communication strategies used by leaders and/or members of social groups in advocating social change, and the communication strategies of social control in response. Prerequisites: Three courses in the humanities and/or social sciences. 3 credits. (IRR)
Distribution: LA,SS.
CMST 32600 - Classical Theories of Rhetoric (3)
Study of various theories of persuasion from the Platonic era through the Roman-Christian period (Plato to St. Augustine). Prerequisites: SPCM 11000, SPCM 11500, or SPCM 15000; junior standing. 3 credits. (Y)
Distribution: 3A,H,HU,LA.
CMST 32700 - Modern and Contemporary Theories of Rhetoric (3)
Rhetorical theories offer a particular way of exploring the practice of communication. This seminar addresses one or more theoretical themes in the rhetorical approach to communication. Objectives include understanding the nature and value of communication theories in the modern world, as well as being able to put theories into practice. Prerequisites: SPCM 11000 or SPCM 12000; junior standing. 3 credits. (Y)
Distribution: 3A,H,HU,LA.
CMST 32800 - The Uses and Methods of Communication Criticism (3)
Advanced course that approaches criticism, one of the primary research methods in this field, as a way of knowing comparable to scientific and social-scientific ways of knowing. Addresses different methods of criticism through student-driven projects and presentation. Considers practical uses of criticism and reflects on the philosophical assumptions critics make. Prerequisites: SPCM 12000; junior standing. 3 credits. (Y)
Distribution: HU,LA.
CMST 32900 - Folklore and Cultural Performances (3)
Survey of the major forms and traditions of folklore and cultural performances ranging from everyday conversations to rituals and celebrations. Emphasis is placed on the analysis of aesthetic, rhetorical, and group dimensions of folkloric and oral performances. Narrative forms to be studied include personal storytelling, jokes and humor, legends, and tales. Larger performance forms are also included, such as spectacles, holidays, and festivals. Prerequisites: 9 credits of courses from one or more of the following departments: anthropology; cinema, photography, and media arts; English; sociology; communication studies; theater arts. 3 credits. (IRR)
Distribution: LA,SS.
CMST 34600 - Communication Research Methods (3)
Prepares students to be competent and critical readers of published and unpublished reports of scientific research on communication phenomena. Emphasizes critical evaluation of communication research literature based on both quantitative and qualitative methods. Topics include the philosophy of social science, design of research, problems of measurement, basic statistical analysis, participant observation, interaction analysis, interviews, narrative analysis, scientific arguments, and ethical issues in research. Prerequisites: Three courses in communication studies; junior standing. 3 credits. (Y)
Distribution: 1,LA,SS.
CMST 34700 - Intercultural Communication (3)
Advanced theoretical examination of interpersonal communication, concentrating on nonverbal communication, language, power, gender, and characteristics of and problems in interpersonal relationships. Prerequisites: SPCM 14000 or SPCM 14900; two courses in the social sciences; sophomore standing. 3 credits. (F,Y)
Distribution: 1,LA,SS.
CMST 34800 - Gender and Interpersonal Communication (3)
Introduction of speech communication processes in intercultural, interracial, interethnic, and international contexts. Presents other cultural groups, patterns of thought, perception, and communication, and examines students' own cultural assumptions. Prerequisites: SPCM 14000; SPCM 14900; three additional credits in communication studies. 3 credits. (F,O)
Distribution: 1,G,LA,SS.
CMST 34800 - Family Communication (3)
The family from a communication perspective. Studies the dominant theories and methodologies that illuminate communication about and within the contemporary American family. Emphasis is placed on the central role communication plays in determining expectations and realities in a diversity of situations (e.g., nuclear, extended, single-parent, blended, voluntarily childless, or gay/lesbian-led families). Prerequisites: SPCM 14000 or SPCM 14900; two courses in the social sciences; sophomore standing. 3 credits. (S,E)
Distribution: HU,LA.

CMST 35300 - Language and Social Interaction (3)
Studies how symbolization reflects and generates a particular view of reality. Emphasizes how certain methods of describing the world determine the orientation a person has toward the world. Focus is on the reality structures of American language. Prerequisites: Three courses in communication studies; junior standing. 3 credits. (Y)
Distribution: HU,LA.

CMST 38900 - Selected Topics in Communication Studies (3)
Topics of current interest. Examples include small group dynamics, research methodology, interracial/intercultural communication, conflict management, and male/female relationships. May be repeated for credit for selected topics on different subjects. Prerequisites: Three courses in the humanities and social sciences; additional prerequisites as appropriate to the topic. 3 credits. (IRR)
Distribution: HU,LA.

CMST 39500 - Internship: Communication Studies (1 to 12)
CMST 39700 - Direct Readings (1 to 4)
Study of an extensive selection of literature, compiled by an instructor, on a topic of special interest. This literature should further student development within a relevant topic area that is not otherwise covered in an available course. Offered on demand only. Prerequisites: 9 credits in communication studies; junior standing; approval of the communication studies faculty. 1-4 credits.
Distribution: HU,LA,SS.

CMST 42900 - Seminar in Public Communication (3)
In-depth study of a specific topic in public communication, such as the speaking of a particular person (Nixon) or type of person (president), communication strategies of a movement (women’s) or kind of rhetoric (famous pleas). May be repeated for credit when topics vary up to three times for a total of 9 credits. Prerequisites: Senior standing or equivalent in communication studies. 3 credits. (IRR)
Distribution: HU,LA.

CMST 43900 - Seminar in Literary and Cultural Performances (3)
Detailed study of special topics in fields such as linguistics, literary composition, prosody, and rhetoric as they relate to the oral presentation of prose, poetry, and the play. May be repeated for credit when topics vary up to three times for a total of 9 credits. Prerequisites: Two of the following: SPCM 23000, SPCM 33300, SPCM 33400, or SPCM 33500. 3 credits. (IRR)
Distribution: FA,HU,LA.

CMST 44900 - Seminar in Interpersonal Communication (3)
In-depth study of a specific topic in interpersonal communication, such as stages in relationship development, language behavior and interpersonal communication, nonverbal codes and relationships, and interpersonal apprehension. May be repeated for credit when topics vary up to three times for a total of 9 credits. Prerequisites: SPCM 14000; SPCM 14900; any 3-credit course identified as an "applications in communication studies" course. 3 credits. (IRR)
Distribution: LA,SS.

CMST 45100 - Communication and Social Influence (3)
Examination of current theories of social influence and their relationship to communication. Focuses on analyzing current persuasion practices in terms of theories such as social learning and self-persuasion, attribution theory, information processing, and social change. Prerequisites: SPCM 14000; SPCM 14900; one level-3 or above course identified as an "applications in communication studies" course. 3 credits. (S,Y)
Distribution: LA,SS.

CMST 45900 - Seminar in Communication Theory (3)
Detailed study of special topics, with an emphasis on theories of human communication. May be repeated when topics vary, for a total of 9 credits. Prerequisites: Three courses in speech communication, at least one of which must be at level 3. 3 credits. (IRR)
Distribution: 1,LA,SS.

CMST 45901 - Seminar in Communication Theory (3)
Detailed study of special topics, with an emphasis on theories of human communication. May be repeated when topics vary, for a total of 9 credits. Prerequisites: Three courses in speech communication, at least one of which must be at level 3. 3 credits. (IRR)
Distribution: LA,SS.

CMST 45902 - Seminar in Communication Theory (3)
Detailed study of special topics, with an emphasis on theories of human communication. May be repeated when topics vary, for a total of 9 credits. Prerequisites: Three
courses in speech communication, at least one of which must be at level 3. 3 credits. (IRR)

Distribution: LA,SS.

CMST 49500 - Internship: Communication Studies (1 to 12)

Work-study project designed by the student in consultation with a sponsoring faculty member and a cooperating practicing professional. The proposal must define the work to be done, the theories to be explored, and the student’s plan for submitting a written report based on his or her experience. Offered on demand only. No more than 6 credits may be used toward the major. Prerequisites: Communication studies major, with a cumulative GPA of 2.30 and 3.00 in the major; permission of communication studies faculty. Variable credit, up to 12 credits.

Distribution: NLA,UND.

CMST 49800 - Directed Research (1 to 4)

Research project arranged at student request with an individual instructor in speech communication. Offered on demand only. No more than 3 credits may be used toward the major. Prerequisites: Communication studies major or minor, with a cumulative GPA of 2.30 and 3.00 in the major; junior standing; permission of communication studies faculty. 1-4 credits.

Distribution: LA,UND.

CMST 49900 - Independent Study: Communication Studies (1 to 4)

Special reading and research under the supervision of the department. Must not duplicate standard coursework. Application must be made to the communication studies faculty before preregistration for the semester in which the study is to be undertaken. Offered on demand only. May be repeated for a total of 6 credits. Prerequisites: Cumulative GPA of 2.30 and 3.00 in major; junior or senior standing; permission of communication studies faculty. 1-4 credits.

Distribution: LA,UND.

CNPH - Cinema and Photography

CNPH 10100 - Introduction to Film Aesthetics and Analysis (3)

An analysis of the cinematic techniques utilized throughout film history to create meaning, suggest mood, develop psychology of characters, and communicate ideas. Emphasis is placed on classic American and foreign films, from the silent period to the present day. 3 credits. (F)

Distribution: HU,LA.

CNPH 10400 - Story: From Cave Paintings to Emerging Media (3)

Students will explore story in myriad forms, from cave paintings to film, television, video games, and emerging media. Part lecture, part writing workshop, the course is designed to provide students with a foundation in the principles of dramatic structure. 3 credits. (F)

Distribution: HU.

CNPH 11100 - Cinema Production 1 (4)

In this intensive production experience, students learn the rudiments of creating a motion picture. Aspects of preproduction (idea conception, budgeting), production (camerawork, directing), and postproduction (sound and picture editing) are introduced as students create multiple works of cinema art. 4 credits. (F-S)

Distribution: NLA.

CNPH 14100 - Introduction to Photography (4)

Introduction to photographic processes and historical, conceptual, and aesthetic concerns. Fundamentals of the art, including camera handling, exposure, digital image control and correction, lighting, composition, and printing. 4 credits. (F-S)

Distribution: 3B, LA, UND.

CNPH 20100 - Film and Literature (3)

Analysis of relationships between literature and film, focusing on the filmmaker’s translation of verbal information to the screen. Topics include how the filmmaker transforms words into images and sound to establish setting and mood and convey characters’ physical, emotional, and mental experiences, and how the filmmaker or scriptwriter is influenced by political, sociological, and production factors in determining what aspects of the work of literature are conveyed in the new medium. Prerequisites: CNPH 10100. 3 credits. (IRR)

Distribution: HU,LA.

CNPH 20200 - Cinema in Exhibition (1)

Addresses the issue of cinematic exhibition -- focusing on context, format, and distribution -- as it affects the experience and meaning of moving images. Students will attend a series of film exhibitions and will critically evaluate the content of each through written papers and oral presentations. Prerequisite: One course in the humanities or fine arts. Students in the B.S. in Cinema and Photography who have a concentration in Cinema Production must take this course concurrently with CNPH 21001-99 (they do not have to take it concurrently if CNPH 21001-99 is taken a second time under a different topic). 1 credit. (F-S)

Distribution: NLA.

CNPH 20310 - The Photograph in Exhibition (1)

Addresses the issue of photographic exhibition -- touching on considerations of context, scale, and installation -- as it
affects the experience and meaning of images. Students will attend a series of photographic exhibitions and will critically evaluate the content of each through written papers and oral presentations. Prerequisites: Open only to B.S. cinema and photography students in the still photography concentration. Corequisites: CNPH 24000. 1 credit. (S)

Distribution: LA.

CNPH 20600 - British Documentary (3)

Exploration of the canon of British film and television documentary from the end of the 19th century to the beginning of the 21st century. Focuses on the global influence of the British documentary and documentary's influence on the social and political development of contemporary Britain. This course is offered only through the Ithaca College London Center. Prerequisites: Sophomore standing; acceptance into the Ithaca College London program. 3 credits. (IRR)

Distribution: LA.

CNPH 20700 - European Cinema (3)

Concentrates on post-Second World War European cinema up to the present day. Study of the themes and styles of the European art film, authorship, and the relation of audience to film criticism. This course is offered only through the Ithaca College London Center. Prerequisites: Sophomore standing; acceptance into the Ithaca College London program. 3 credits. (IRR)

Distribution: LA.

CNPH 21000-21099 - Special Topics in Cinema Production (3)

Study of the cinema production process using significant works representative of important historic and contemporary ideas and movements. Screenings and readings guide discussion and analysis geared toward providing familiarity with a broad range of production models and connecting them to larger questions of culture production and artistic expression. Students in the B.S. cinema production concentration and B.F.A. degree in film, photography and visual arts may repeat the course once. Corequisite: CNPH 20200 Cinema in Exhibition for students in the B.S. in cinema and photography - cinema production concentration only. Prerequisite: One course in the humanities or fine arts. 3 credits. (F-S)

Distribution: NLA.

CNPH 21400 - Hollywood and American Film (4)

The focus is on the historical, economic, and social formations in the evolution of a wide range of American cinemas, including Hollywood, independent work, documentary, experimental, and hybrid forms. A survey and analysis of films of representative American directors, styles, and genres will be conducted. 4 credits. (S)

Distribution: HU,LA.

CNPH 22400 - Cinema Production 2 (4)

In this intermediate-level motion picture production course, students complete several works of cinema, continuing where Cinema Production I left off in both technical and artistic sophistication. Students will make significant progress in the areas of sound design, cinematography, directing, and editing. Prerequisites: CNPH 11100. 4 credits. (F-S)

Distribution: NLA.

CNPH 23300 - Screenwriting (3)

Introduction to the theory and practice of screenwriting. Topics include analysis and writing of feature-length, short, and experimental screenplays; adapting literary sources for the screen; the business of screenwriting; and computer formatting of screenplays. Prerequisites: CNPH 10100 or TVR 13400; sophomore standing. 3 credits. (F-S)

Distribution: NLA,UND.

CNPH 24000 - History of Photography (3)

Study of photography from its beginning to its emergence as an important means of communication and expression. Critical examination of the growth and relationship of the contribution of photography to the visual arts. The development of the medium is seen through the eyes of past and present masters who struggled to understand and perfect it. Prerequisites: Nonmajors must have at least sophomore standing. 3 credits. (S)

Distribution: HU,LA.

CNPH 24200 - Intermediate Photography (4)

Rigorous immersion in color processes and aesthetic concerns. Further technical mastery of image making, including large-format film, digital acquisition, high-resolution scanning, color control, and digital color output. Coursework introduces different modes of working and genres in the medium of photography. Students are asked to employ the various techniques to solve a variety of conceptual and aesthetic problems in the medium. Prerequisites: CNPH 14100. 4 credits. (F-S)

Distribution: NLA.

CNPH 25500 - Survey of Critical Methodologies in Mass Media (3)

Introductory overview of methodologies and approaches for the study of mass communications. Critical, historical, and social science methods are examined in terms of their framing of mass media, their philosophical approaches, their method of research, and their history and usage within the field of mass communications. Emphasis is placed on using these methods as analytical tools. Prerequisites: TVR 12100 or CNPH 10100. 3 credits. (IRR)
Sociology. 3 credits. (IRR)

Prerequisites: CNPH 23300, CNPH 24000, or at least three discourses on women, mass culture as the site of mediation and articulation of theory, social history, and criticism, this course analyzes and fashion. As a survey of contemporary feminist cultural television, pornography, art photography, popular music, gender representations in mass media: feminist films, directors, and other cinematic conceptual frameworks. and student demand, this course may cover genres, periods, upper study, allowing students to concentrate their study in an upper-level course. Depending on faculty research interests and student demand, this course may cover genres, periods, directors, and other cinematic conceptual frameworks. Prerequisites: CNPH 10100 or TVR 12200; at least two level-2 liberal arts courses; permission of instructor. 3 credits. (F)

Distribution: HU,LA.

CNPH 30100 - History and Theory of Documentary (3)

Investigation of the social, historical, cultural, and aesthetic implications of nonfiction film through historical overview of various films. This course uses social theory, economic theory, ethnography, historiography, and documentary theory to explore the intersection of historical contexts and film movements. Prerequisites: CNPH 10100 or TVR 12200; at least two level-2 liberal arts courses. 3 credits. (S)

Distribution: HU,LA.

CNPH 30200 - Selected Topics in Cinema and Photography (3)

Intensive exploration and analysis of a specific area of film study, allowing students to concentrate their study in an upper-level course. Depending on faculty research interests and student demand, this course may cover genres, periods, directors, and other cinematic conceptual frameworks. Prerequisites: CNPH 21400 or level-2 course with an HU designation; permission of instructor. 3 credits. (IRR)

Distribution: LA, L.N.A.

CNPH 30300 - Images of Men and Women in Mass Media (3)

Investigation and assessment of the social construction of gender representations in mass media: feminist films, television, pornography, art photography, popular music, and fashion. As a survey of contemporary feminist cultural theory, social history, and criticism, this course analyzes mass culture as the site of mediation and articulation of discourses on women, men, and gender difference. Prerequisites: CNPH 23300, CNPH 24000, or at least three level-2 courses in television-radio, art history, politics, or sociology. 3 credits. (IRR)

Distribution: LA.

CNPH 30300 - Images of Men and Women in Mass Media (3)

Investigation and assessment of the social construction of gender representations in mass media: feminist films, television, pornography, art photography, popular music, and fashion. As a survey of contemporary feminist cultural theory, social history, and criticism, this course analyzes mass culture as the site of mediation and articulation of discourses on women, men, and gender difference. Prerequisites: CNPH 23300, CNPH 24000, or at least three level-2 courses in television-radio, art history, politics, or sociology. 3 credits. (IRR)

Distribution: LA,UND.

CNPH 30400-30499 - Selected Topics in Photography (4)

Exploration and analysis of a specific area of photography. Topics vary based on student demand and on faculty expertise and research interest. Prerequisites: CNPH 14100, CNPH 24200, or may vary depending on topic -- refer to Undergraduate Course Offerings each semester. 4 credits. (F-S)

Distribution: NLA.

CNPH 30500 - Contemporary Film Criticism (3)

Analysis and evaluation of contemporary films and criticism. Students trace current feature films to their artistic and cinematic roots and assess the value of the new offerings. At the same time, they evaluate national criticism (not reviews) of the new offerings. Prerequisites: CNPH 10100; CNPH 11000 or TVR 13100; CNPH 23300; CNPH 30000. 3 credits. (IRR)

Distribution: LA.

CNPH 31000 - British Comedy: Film, Television, and Radio (3)

Exploration of the development of the cultural characteristics of British Comedy programming for cinema, television, and radio. This class traces the evolution of comedic forms, and surveys contemporary genres--sketch, broken, sitcom, satire, stand-up, improv, the impressionists, and "sit-trag." Only offered in London. Prerequisites: three courses in humanities (HU) and/or social sciences (SS), junior standing and acceptance into the Ithaca College London Program. 3 credits. (Y)

Distribution: LA.

CNPH 31300 - Writing for Immersive Media (4)

An examination of the process of creating nonlinear game and web-based narratives. Students will develop an idea for a nonlinear narrative -- which might be an original video game, a video game based on an existing literary property, or an idea for an online narrative -- and write parts of that narrative. Students will also compare existing video games adapted from other material to explore the basic principles of writing for video games, and they will examine the needs and expectations of the audience/viewer/player for immersive/interactive media and that of established media. Prerequisites: CNPH 23300. 4 credits. (S)

Distribution: LA.

CNPH 32100 - Advanced Cinema Production: Fiction (4)

This intensive, advanced-level course examines cinema as a form of storytelling. Students produce their own cinema projects and critical papers to familiarize themselves with techniques of aesthetics specific to narrative cinemas. A final project of the student's design and participation in a...
culminating public exhibition of work from the class are required. Prerequisites: CNPH 22400. 4 credits. (F-S)
Distribution: NLA.

CNPH 32200 - Advanced Cinema Production: Nonfiction (4)

This intensive, advanced-level course examines the relationship between the theory and practice of cinematic documentary. Students produce short cinema projects and critical papers to familiarize themselves with techniques and aesthetics specific to documentary modes of cinema. A final project of the student's design and participation in a culminating public exhibition of work from the class are required. Prerequisites: CNPH 22400 or TVR 29900; open only to students in the B.S. cinema and photography, B.F.A film, photography, and visual arts, or B.A. documentary studies and production programs. 4 credits. (S)
Distribution: NLA.

CNPH 32300 - Advanced Cinema Production: Experimental (4)

This intensive, advanced-level course examines cinema as a visual art form akin to painting, photography, and sculpture. Readings, lectures, and screenings are used to develop a basic context for relevant critical, historical, and theoretical issues, with emphasis placed on the various formal, conceptual, structural, and post-structural ideas that characterize 20th-century modern and contemporary art. Students produce their own cinema projects and critical papers to familiarize themselves with these ideas and practices. A final project and participation in a culminating public exhibition of work from the class are required. Prerequisites: CNPH 22400. 4 credits. (F)
Distribution: NLA.

CNPH 32400 - Advanced Cinema Production: Animation (4)

Intensive exploration of the art and craft of animated cinema. Through directed productions, screenings, readings, and workshops, students develop experience in several modes of animation including, but not limited to, cameraless, cel, electronic, and object animation within the context and history of cinema. Prerequisites: CNPH 22400. 4 credits. (Y)
Distribution: NLA.

CNPH 33001-33099 - Selected Topics in Advanced Cinema Production (4)

Exploration of a specific area of cinema production, designed to enhance and enrich the traditional production curriculum and provide significant professional training for an ever-changing discipline. Subjects will likely include, but are not limited to: cinematography, sound design, advanced editing, alternative special effects, and directing for the screen. Topics will vary to reflect current and future trends in cinema production, as well as student demand and faculty expertise. Prerequisites: CNPH 22400. 4 credits. (Y)
Distribution: NLA.

CNPH 33300 - Advanced Screenwriting (3)

Advanced theory and practice of screenwriting, with analysis of both classic and contemporary screenplays. Students complete a substantial portfolio of work in short and/or feature-length forms and participate in written and oral critiques of each other's work. With the permission of the instructor, students may rewrite and polish a script begun elsewhere. May be taken twice for credit. Prerequisites: CNPH 23300. 3 credits. (F-S)
Distribution: NLA.

CNPH 40200 - Photographers' Forum (1)

Addresses the continuities and disparities between photographic images and the intent of their makers. Students attend a series of photographers' presentations and critically evaluate each through written and oral presentations. Prerequisites: CNPH 24000; one level-3 course in cinema, photography, or art history; senior standing. Open only to B.S. cinema and photography students in the photography concentration. Corequisites: CNPH 44000. 1 credit. (F)
Distribution: LA.

CNPH 40900-40999 - Seminar in Film Studies (4)

Capstone course in film studies that provides an intensive experience in cinema research. Designed as a seminar to allow students to engage actively in their own research and critical thinking in this area, the course revolves around an intensive schedule of screenings and key readings on a particular topic in film studies. May be repeated with permission of instructor. Prerequisites: CNPH 30000, CNPH 30100, or permission of instructor. 4 credits. (IRR)
Distribution: LA.

CNPH 42000 - Thesis Cinema Production (4)

Individual experience preparatory to graduate study and careers in cinema production. This course is designed to bring together ideas, processes, practices, and theories in the service of the production of a substantial work of cinema. Students will pursue an entire project from conception to completion, combining intensive preproduction, production, and post-production with in-depth instruction on lab work, distribution, and exhibition. Throughout the course, emphasis is placed on instructor, peer, and self-critique. In addition to completion of the final production, students are expected to generate an essay that situates their work within the history of the medium and contextualizes its relationship to current intellectual and creative debates. Prerequisites: CNPH 23300 or TVR
13400, CNPH 30000, or CNPH 30100; CNPH 32100, CNPH 32200, CNPH 32300, or CNPH 32400; senior standing. 4 credits. (F-S)

Distribution: NLA.

CNPH 43200-43299 - Selected Topics in Screenwriting (3)
Exploration and analysis of a specific genre or type of screenwriting. Topics vary based on faculty interests and student demand. May be repeated once for credit under a different topic. Prerequisites: CNPH 33300; junior standing; screenwriting concentration; permission of instructor. 3 credits. (Y)

Distribution: NLA.

CNPH 43300 - Screenwriting Workshop (3)
A workshop in writing feature-length scripts for narrative film, preparatory for graduate study or a career in screenwriting, film, or television. Students complete a new feature-length script or, in rare instances with permission of the instructor, rewrite and polish a script begun elsewhere. Prerequisites: At least two semesters of CNPH 33300 or TVR 43100 and one semester of CNPH 33300; senior standing. 3 credits. (S-Y)

Distribution: NLA, UND.

CNPH 44000 - Contemporary Photographic Issues (3)
Through lectures and discussions, the student is exposed to the changes and growth of the photographic medium. Photographic theories, criticism, classification, and aesthetics, as well as individual photographers, are explored to develop an understanding of contemporary photography. Prerequisites: CNPH 24000; one level-3 course in cinema, photography, or art history; senior standing. 3 credits. (F)

Distribution: LA.

CNPH 44300 - Photo Workshop (4)
Individual experience preparatory to graduate study and to careers in photography. Designed to fit the individual student's background and interests. May include research projects or advanced photography. Course participants are expected to complete an artist's essay that situates their work within the history of the medium and contextualizes its relationship to current intellectual and creative debates. Students may take a second semester of this course with permission of instructor. Prerequisites: CNPH 14100; CNPH 24200; 1 course from CNPH 30400-30499; senior standing. 4 credits. (F-S)

Distribution: NLA, UND.

CNPH 45000 - Cinema Production Practicum (4)
Capstone-level motion picture production course in which students undertake the primary creative and professional roles in a significant project under the direct supervision of a faculty specialist. The nature of the project will vary with each offering. Prerequisites: CNPH 11100; CNPH 22400; CNPH 32100, CNPH 32200, CNPH 32300, or CNPH 32400; senior standing; faculty permission. 4 credits. (IRR)

Distribution: NLA.

CNPH 49000 - Internship: Cinema and Photography (1 to 6)
Jointly supervised work experience with a cooperating institution in the field of cinema or photography, intended to motivate the intern toward professional growth through observation and participation, to provide opportunities to meet active professionals, and to stimulate career planning. Skills and academic knowledge will be put into practice. May be repeated. Prerequisites: Junior cinema and photography or film, photography, and visual arts major or minor; completion of the Park School internship procedures. 1-6 credits. Total may not exceed 12 credits, including London and Los Angeles internships. Pass/fail only. (F-S)

Distribution: NLA.

CNPH 49800 - London Communications Internship (3 to 6)
A limited number of internships with cooperating institutions or organizations are available to communications majors. The jointly supervised work experience offers the opportunity to learn through observation and participation in a professional setting. Prerequisites: Junior or senior standing; completion of Park School internship procedures; approval of the dean in the semester preceding the London registration. Pass/fail only. 3-6 credits. (F-S) See "London Center."

Distribution: NLA.

CNPH 49900 - Independent Study: Cinema and Photography (1 to 4)
Intensive study of one of the following problems under the supervision of a faculty adviser: program evaluation, scriptwriting, production, programming, film and cinema studies, contemporary issues in communications. Comprehensive research paper and/or project is required. Prerequisites: Junior cinema and photography or film, photography, and visual arts major. 1-4 credits. (F-S)

Distribution: LA.

COMP - Computer Science

COMP 10500 - Introduction to Website Development (3)
Introduction to the Internet, web browsers, and using the Internet as a research resource. Students study web-page design techniques and concepts and use these to develop web pages with basic HTML and more advanced features such as tables, frames, forms, and style sheets. The basics of storing and displaying graphics, including file formats for graphics files, creating images for the web, and optimizing colors and size for display on browsers. The
An introduction to programming using visualization and 3D animation. We will create animations using Alice, a software package using 3D models and program visualization. The animations will be in the style of Pixar and Disney animated films. The focus of the course includes the use of storyboards for design, fundamental programming concepts (sequence, variables, conditional execution, repetition), and object-oriented concepts (classes, objects, methods, parameters, and inheritance).

The emphasis is hands-on labs along with presentations and demonstrations. This course is designed for students who have little or no previous programming experience. The course may not be taken for credit after COMP 22000 or COMP 22500. 3 credits. (F,Y)

Distribution: 2B, LA, NS.

COMP 12200 - Introduction to Robotics Using Legos (3)

This course introduces students to robotics and programming using Legos. Students will build various types of robotic objects incorporating output devices such as motors and lights as well as sensor input devices such as touch sensors, light sensors, sonar sensors, and rotation sensors. The emphasis is on hands-on labs. Programs to control and robots will be developed using an object-oriented language such as Java or C++ and cover the basic object-oriented concepts. Engineering concepts involving the use of gears will be briefly explored. The emphasis is hands-on labs along with presentations and demonstrations. This course is designed for students who have little or no previous programming experience. The course may not be taken for credit after COMP 22000 or COMP 22500. 3 credits. (IRR)

Distribution: 2B, LA, NS.

COMP 12300 - Introduction to Scientific Computation in MATLAB (4)

Introduction to problem solving, programming, and scientific computation using MATLAB. Concepts covered include standard control structures, basic data structures, algorithms and abstraction mechanisms, and testing. Example problems from the natural sciences will be examined. Prerequisites: Math group 1, 2, or 3. 4 credits. (S,Y)

Distribution: LA, NS.

COMP 12400 - Geographical Information Systems (3)

Exploration of analytical and computational concepts and skills necessary to create, manipulate, analyze, visualize, and manage spatial databases. Skill-development in using a geographic information system (GIS) in a computer laboratory. 3 credits (S,Y)

Distribution: LA, NS.

COMP 17100 - Principles of Computing Science I (4)

The use of scripting languages such as JavaScript is introduced. Prior experience using Microsoft Windows or the Mac OS is expected. Students who have completed or are taking COMP 20500 may not receive credit for this course. 3 credits. (F-S,Y)

Distribution: LA, NS.

COMP 10600 - Multimedia Programming (3)

This course is an introduction to the use of computer technologies for creating animations and interactive games. The course will focus on tools such as Flash or HTML5 to create interactive multimedia applications for use on the computer and the web. The course will also introduce a scripting language, which can be used to create even more elaborate content. The course is a combination of lecture and lab, along with exams and projects. 3 credits. (F-S,Y)

Distribution: LA, NS.

COMP 10700 - Introduction to 2D Game Development (4)

An introduction to the design, development, and implementation of two-dimensional (2-D) games. Topics to be covered will include principles of designing games and the computational methods and tools used to create game content. Some programming will be introduced, but no prior computing experience is needed. Students will also learn the basic principles of project management and teamwork. Concepts will be put into practice as teams design and develop their own 2-D game. The course will be a combination of lectures and hands-on exercises. 4 credits. (F-Y)

Distribution: 2B, LA, NS.

COMP 11000 - Computers and Information Technologies (3)

Develops student expertise in the use of a computer and the major software tools used for personal and professional productivity, with an emphasis placed on spreadsheets and database management systems. Includes an introduction to the components of a computer system and to social and ethical issues surrounding the use of a computer. Students may receive credit for only one of the following courses: COMP 11000, HLTH 13901, EXSS 13900. Students who have already taken COMP 20100 cannot receive credit for this course. 3 credits. (F-S,Y)

Distribution: 2B, LA, NS.

COMP 11500 - Discrete Structures for Computer Science (4)

An introduction to discrete structures for computer science. The major topics of study include sets, proof techniques, logic, predicate logic, relations and functions, counting and probability, matrices, and induction. 4 credits. (S,Y)

Distribution: 2B, LA, NS.

COMP 12200 - Introduction to Scientific Computation in MATLAB (4)

Introduction to problem solving, programming, and scientific computation using MATLAB. Concepts covered include standard control structures, basic data structures, algorithms and abstraction mechanisms, and testing. Example problems from the natural sciences will be examined. Prerequisites: Math group 1, 2, or 3. 4 credits. (S,Y)

Distribution: LA, NS.

COMP 12400 - Geographical Information Systems (3)

Exploration of analytical and computational concepts and skills necessary to create, manipulate, analyze, visualize, and manage spatial databases. Skill-development in using a geographic information system (GIS) in a computer laboratory. 3 credits (S,Y)

Distribution: LA, NS.

COMP 17100 - Principles of Computing Science I (4)
A disciplined introduction to problem-solving methods and program development. Topics include standard control structures, basic data structures, algorithms and abstraction mechanisms, testing, and an introduction to algorithm analysis. 4 credits. (F-S,Y)

Distribution: 2B, LA, NS.

COMP 17200 - Principles of Computer Science II (4)
The focus of this course is to reinforce and strengthen the foundational concepts learned in Computer Science I and to provide additional experience with problem solving and algorithmic thinking independent of the programming language used. This course will provide the requisite skills needed by majors and minors to successfully progress in Computer Science. Robotics will be used as the context for strengthening skills in design, programming and testing of software. Students will explore new concepts such as real-time control, sensors, and basic automated reasoning. The course will be a combination of lectures, in-class exercises, and labs, with a strong hands-on approach. Prerequisites: COMP 17100. 4 credits. (S, Y)

Distribution: LA, NS.

COMP 17900 - Topics: Computer Languages (1)
The syntax, data structures, and distinctive features of a specific programming language chosen from those not given detailed coverage in any regularly offered computer science course. Programming assignments develop students' skills in the language and illustrate typical applications. Possible languages include C++, LISP, and PROLOG. Prerequisites: COMP 17100. Restricted to students who have not already taken a course treating in detail the language offered by this course. May be repeated for credit with different languages. 1 credit. (IRR)

Distribution: LA, UND.

COMP 18000 - Java Programming (1)
The study of the syntax, data structures, and distinctive features of the Java programming language. Programming assignments develop students' skills in Java and illustrate typical Java applications. Prerequisites: COMP 17100. 1 credit. (F-S, Y)

Distribution: LA, UND.

COMP 18200 - COBOL Programming (1)
The syntax, data structures, and distinctive features of the COBOL programming language. Programming assignments develop students' skills in COBOL and illustrate typical COBOL applications. Prerequisites: COMP 17100. 1 credit. (IRR)

Distribution: LA, UND.

COMP 18300 - C++ Language Programming (1)
The syntax, data structures, and distinctive features of the C++ programming language. Programming assignments develop students' skill in C++ and illustrate typical C++ applications. Prerequisites: COMP 17100. 1 credit. (IRR)

Distribution: LA, UND.

COMP 19000 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. 1-4 credits. (IRR)

Distribution: LA, NS.

COMP 19001 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. 1-4 credits. (IRR)

Distribution: LA, NS.

COMP 19002 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. 1-4 credits. (IRR)

Distribution: LA, NS.

COMP 19003 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. 1-4 credits. (IRR)

Distribution: LA, NS.

COMP 19004 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. 1-4 credits. (IRR)

Distribution: LA, NS.

COMP 19005 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. 1-4 credits. (IRR)

Distribution: LA, NS.

COMP 19200 - Independent Study in Computer Science (1 to 4)
Enrichment and extension of the regular curriculum to areas not covered in existing courses. Arranged individually between student and faculty sponsor according to guidelines available from the department. 1-4 credits. (IRR)

Distribution: LA,UND.

COMP 20200 - Computational Foundation of Emerging Media (4)

Introduction to the concepts, tools, and computational methods underlying the most popular forms of emerging media. Topics include existing software tools for design, development, and analysis of emerging media and the computational methods and concepts underpinning both the tools and the media itself. Hands-on exercises in programming, scripting, and using a variety of software packages. Prerequisites: COMP 17100. 4 credits. (S, Y)

Distribution: LA,NS.

COMP 20500 - Advanced Web Programming (4)

Introduction to the creation of interactive and dynamic web pages. Students study the technologies and concepts necessary to add interactive scripts to web pages (client-side programming), receive and supply information to web pages (server-side programming using scripting), and store information (database creation). Prerequisites: COMP 17100. 4 credits. (S,Y)

Distribution: LA,NS.

COMP 20700 - Game Development and Technologies (4)

This course covers the methods and technologies used to implement and test video games. Students will continue the design process begun in Game Design and Development, with an emphasis on the software design and development, prototyping, and testing phases. Additionally, the course will introduce students to the various technologies (graphics, artificial intelligence, game physics, audio, and networking) and software tools used by game developers. This course may not be counted toward a computer science major. Prerequisites: COMP 10700 or COMP 17100. 4 credits. (S,Y)

Distribution: LA,NS.

COMP 21000 - Introduction to Computer Organization and Systems (4)

Computer structure and organization. Investigation of operating systems, including processes, memory management, and file systems. Prerequisites: COMP 17200. 4 credits. (S,Y)

Distribution: LA,NS.

COMP 22000 - Introduction to Data Structures (4)

This course covers basic data structures, including stacks, queues, trees, and graphs. Fundamental algorithmic techniques, such as sorting and searching, are also covered.

Prerequisites: COMP 17200; COMP 11500 or MATH 11100 (may be taken concurrently). 4 credits. (F,Y)

Distribution: LA,NS.

COMP 22500 - HCI: User Interface Design and Development (4)

This course presents the fundamental concepts of design, prototyping, evaluation, and implementation of user interfaces (UIs), which are part of the field of HCI (human-computer interaction). Topics of study include user-centered design, task analysis, prototyping, interface design principles, user testing, interface metaphors, windows and event-driven programming, and heuristic evaluation. Principles of human perception and cognition are applied to user interface design. Web interface designs and three-dimensional user interfaces are also studied.

Prerequisites: COMP 17200. 4 credits. (F,Y)

Distribution: LA,NS.

COMP 28400 - Assembly Language Programming (1)

Introduction to the syntax and distinctive features of an assembly language. Includes a discussion of addressing modes and methods of passing parameters to procedures. Programming assignments develop the student's skills in using an assembly language and illustrate the utility of lower-level programming. Prerequisites: COMP 17400. 1 credit. (S,Y)

Distribution: NLA,UND.

COMP 29000 - Selected Topics in Computer Science (1 to 4)

Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 1-4 credits. (IRR)

Distribution: LA,NS.

COMP 29001 - Selected Topics in Computer Science (1 to 4)

Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 1-4 credits. (IRR)

Distribution: LA,NS.

COMP 29002 - Selected Topics in Computer Science (1 to 4)

Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 1-4 credits. (IRR)
COURSE DESCRIPTIONS

COMP 29003 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 1-4 credits. (IRR)
Distribution: LA,NS.

COMP 29004 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 1-4 credits. (IRR)
Distribution: LA,NS.

COMP 29005 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Sophomore standing. 1-4 credits. (IRR)
Distribution: LA,NS.

COMP 29200 - Independent Study in Computer Science (1 to 4)
Enrichment and extension of the regular curriculum to areas not covered in existing courses. Arranged individually between student and faculty sponsor according to guidelines available from the department. 1-4 credits. (IRR)
Distribution: LA,UND.

COMP 31000 - Implementation of Computer Operating Systems (4)
In-depth investigation of the major concepts, algorithms, and implementation principles of computer operating systems. Both theoretical and practical aspects of operating systems are considered; students undertake substantial programming projects to illustrate concepts. Topics include scheduling; resource and storage allocation; problems of resolving deadlock, exclusion, and synchronization; memory allocation; secondary storage implementation; and distributed system structures. Prerequisites: COMP 21000. 4 credits. (S,O)
Distribution: LA,NS.

COMP 31100 - Algorithms and Data Structures (4)
Analysis of major algorithms and data structures for primary memory. Data structures include graphs, dynamic hash tables, and balanced tree structures. Other major topics are algorithm design techniques (greedy method, divide/decrease and conquer, recursion and dynamic programming, branch and bound, and approximation algorithms). Prerequisites: COMP 22000 and COMP 11500. 4 credits. (S,Y)
Distribution: LA,NS.

COMP 32100 - Programming Languages (4)
An intermediate-level course in programming language constructs, including design issues, paradigms and corresponding machine models, language constructs, syntax, and semantics. Includes a survey of actual programming languages representative of common paradigms, critically comparing the design choices and features unique to each. Algorithmic, functional, and logical languages are considered. Prerequisites: COMP 21000 and COMP 22000. 4 credits. (F,Y)
Distribution: LA,NS.

COMP 33000 - Introduction to Virtual Reality (4)
This course introduces the fundamental concepts of virtual reality (VR), with an emphasis on the interdisciplinary nature of VR system development and applications. Topics include survey and analysis of VR hardware, software, and methodologies; advanced topics in computer graphics; interaction and navigation within VR; simulation and behaviors in virtual worlds; human perception; and applications of VR. The course includes hands-on experience with VR hardware and software. Prerequisites: COMP 20700 or COMP 22000. 4 credits. (F,O)
Distribution: LA,NS.

COMP 34500 - Introduction to Software Engineering (4)
An introduction to the software development process, focusing on analysis, design, programming, and testing of a medium-scale team project. Object-oriented software engineering practices are discussed, with an emphasis on the unified process, use case-based design, and the unified modeling language (UML). Testing, risk analysis, and design patterns are also addressed. Prerequisites: COMP 22000. 4 credits. (S,Y)
Distribution: LA,NS.

COMP 35400 - Intelligent Systems (4)
Explores key concepts of intelligent systems, including knowledge-based search techniques; automatic deduction, knowledge representation using predicate logic; and machine learning. Selected applications of artificial intelligence, such as problem solving, data mining, game playing, expert systems, planning, natural language understanding, and computer vision. Requires implementation of a significant intelligent software system. Prerequisites: COMP 22000. 4 credits. (S-O)
Distribution: LA,NS.
COMP 36500 - Computer Networks (4)
Basic concepts of computer networks and data communications. The major topics include transmission media, error detection, routing, client-server models, remote execution, and encryption. Includes a discussion of characteristics of local and wide area networks, heterogeneous networks, and case studies of current networks. This course contains a laboratory component that includes topics such as network configuration, topologies and protocols, and installation of networks. Prerequisites: COMP 11500 and COMP 21000. 4 credits. (F,Y)
Distribution: LA,NS.

COMP 37000 - Computer Project (1 to 3)
After consultation with the computer science faculty, the student undertakes a project to design and implement a substantial computer application under the guidance of one or more faculty members. Prerequisites: Junior standing; permission of the computer science faculty. 1-3 credits. (F-S,Y)
Distribution: NLA,UND.

COMP 37500 - Database Systems (4)
Study of the basic concepts involved in database systems, including database architecture, data models, database design, and query techniques. The course includes practical experience through a semester-long team project to design and implement a database and related applications using SQL. Prerequisites: COMP 17100; COMP 20500 or COMP 22000 or COMP 22500. 4 credits. (S,Y)
Distribution: LA,NS.

COMP 38500 - Emerging Media Project (4)
Hands-on introduction to project design, development, implementation, and testing, with emphasis on the knowledge and skills required to successfully complete the production cycle, including team dynamics, market analysis, project management, documentation, and testing. Students work in teams on projects assigned by the instructor. Cross-listed with TVR 38500; students cannot receive credit for both COMP 38500 and TVR 38500. Open only to emerging media majors. Prerequisites: COMP 20200; junior standing. 4 credits. (S, Y)
Distribution: NLA.

COMP 39000 - Selected Topics in Computer Science (1 to 4)
Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Junior standing. 1-4 credits. (IRR)
Distribution: LA,NS.

COMP 41100 - Formal Languages and Automata (4)
Introduction to theoretical computing science, examining (with some mathematical rigor) the basic models of computation and exploring the capabilities and limitations for computers. Finite automata, regular languages, regular
grammars, undecidability, and other structural properties are examined. Prerequisites: COMP 31100. 4 credits. (IRR)

Distribution: LA,NS.

COMP 41500 - Computer Graphics (4)

An introduction to the fundamentals of computer graphics, including the mathematical foundations of graphics techniques; 2D and 3D algorithms for geometry, transformations, viewing, and lighting; stereo viewing, ray tracing, and radiosity. At least two different graphics APIs will be introduced and will be used to implement graphics programs and provide hands-on experience in the topics covered. Prerequisite: COMP 20200 and COMP 22000, or COMP 33000. 4 credits. (S, E)

Distribution: LA,NS.

COMP 46100 - Systems Analysis and Design (4)

Study of the analysis and design of business-oriented systems. The major topics include data flow analysis, the systems development life-cycle approach, qualities of good system design, and design strategies. This course also introduces students to structured analysis and design techniques. Prerequisites: COMP 37500. 4 credits. (F,Y)

Distribution: LA,NS.

COMP 46500 - Topics in Networks (4)

This course investigates contemporary advanced algorithmic and networking concepts. Topics change depending on the semester but include the structure and function of networks, security in networks, and network simulations. The course exposes students to computing research and requires at least one significant programming project. Prerequisites: COMP 31100 and COMP 36500. 4 credits. (F,E)

Distribution: LA,NS.

COMP 47500 - Senior Project (3)

Offers students the opportunity to consolidate theory and apply concepts to a computer-based problem, thus enhancing their understanding of various facets of the computing discipline. Students are responsible for the analysis, design, development, documentation, implementation, and testing of the computer system. The project may be carried out singly or in small groups of up to four people. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y)

Distribution: LA,NS.

COMP 48500 - Emerging Media Capstone (4)

Working as part of a team, the student designs, develops, and documents a significant emerging digital media project under the guidance of one or more faculty members. Cross-listed with TVR 48500; students cannot receive credit for both COMP 48500 and TVR 48500.

Prerequisites: COMP 38500 or TVR 38500 with a minimum grade of C-. 4 credits. (S, Y)

Distribution: NLA.

COMP 49000 - Selected Topics in Computer Science (1 to 4)

Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Senior standing. 1-4 credits. (IRR)

Distribution: LA,NS.

COMP 49002 - Selected Topics in Computer Science (1 to 4)

Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Senior standing. 1-4 credits. (IRR)

Distribution: LA,NS.

COMP 49003 - Selected Topics in Computer Science (1 to 4)

Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Senior standing. 1-4 credits. (IRR)

Distribution: LA,NS.

COMP 49004 - Selected Topics in Computer Science (1 to 4)

Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Senior standing. 1-4 credits. (IRR)

Distribution: LA,NS.

COMP 49005 - Selected Topics in Computer Science (1 to 4)

Topics to be determined by the instructor and the Departments of Mathematics and Computer Science. May be repeated for credit for selected topics on different subjects. Prerequisites: Senior standing. 1-4 credits. (IRR)

Distribution: LA,NS.

COMP 49200 - Independent Study in Computer Science (1 to 4)

Enrichment and extension of the regular curriculum to areas not covered in existing courses. Arranged individually between student and faculty sponsor according to guidelines available from the department. 1-4 credits. (IRR)

Distribution: LA,UND.

COMP 49300 - Honors Course: Computer Science (1 to 2)
Preparation of honors thesis in partial fulfillment of requirement for graduation with honors in computer science. Prerequisites: Honors standing in computer science. 1-2 credits. (IRR)

Distribution: LA,NS.

COMP 49800 - Computer Science Internship for Majors and Minors (1 to 12)

A computer science project (carried out within an organization outside the department) that is not routine, entails significant work experience, and has substantial academic content. The student is responsible for developing a project proposal and completing it in conjunction with a faculty sponsor from the department and a supervisor from the outside organization. At the end of the project, the student shall present a report based on the experience. With departmental approval, up to 4 credits may be counted as upper-level elective credit toward a major in computer science or mathematics computer science or a minor in the Computer Science Department. Students should have completed three-fourths of the major or minor to be eligible for this opportunity. Prerequisites: Permission of a faculty sponsor. 1-12 credits. (IRR)

Distribution: NLA.

CSCR - Culture, Race and Ethnicity

CSCR 10600 - Introduction to African Diaspora Studies (3)

Introductory survey of the major topics and methodologies involved in studying the roots and routes of the African diaspora. Investigation of the physical and cultural movements between Africa and the Americas. Topics include the prominence of Africa in global history; the movement of African people (both voluntary and forced migrations); the enslavement of African peoples in the Americas; cultural aesthetics and identities; colonialism; and resistance. Employs an interdisciplinary approach drawing from disciplines in history, politics, cultural studies, social policy, and sociology. Prerequisites: None. 3 credits (F, Y)

Distribution: 1,H,HU,LA.

CSCR 10700 - Introduction to Latino/a Studies (3)

This interdisciplinary course explores the varied experiences of Latinos/as in the United States, past and present. Drawing from the disciplines of history, anthropology, literature, women’s studies, and ethnic studies, it examines the historical roots of Latino/a, Chicano/a, Puerto Rican, Cuban-American, Central, and South American peoples. In particular, it will focus on notions of family, gender, class, race, political economy, language, and sexual identity in relation to public policy and Latino/as' struggles for place and power. Its approach is historical and comparative and it emphasizes the multiplicity of Latino/a experiences as well as the strategic deployment of the term Latino/a. Prerequisites: None. 3 credits. (F-S,Y)

Distribution: 1,H,HU,LA.

CSCR 12000 - U.S. Civil Rights Seminar (1)

The primary goal of the course is to introduce students to the history, philosophies, and practices of the civil rights movement in the United States, with a particular focus on the work and writings of Martin Luther King Jr. By utilizing readings, class discussions, and a visit to significant historical landmarks of the movement, students will develop an understanding of the differing approaches to social change and their strategic use within different parts of the modern day civil rights era. In addition, students will build an academic foundation for the required civil rights tour to be held during fall break. The seminar is open to Martin Luther King Jr. Scholar Program participants only. For more information scholars should review the program requirements. Prerequisites: None. 1 Credit. (F, Y)

Distribution: LA,SS.

CSCR 12300 - Introduction to Culture, Race & Ethnicity Concepts (3)

Introduces students to key concepts in culture, race, and ethnicity studies. Drawing from cultural studies, comparative ethnic studies, and gender and sexuality studies, it investigates how racial and ethnic identity politics shape institutional and social policies, cultural expressions and aesthetics, and resistance movements. Particular attention will be paid to the ways communities of color have negotiated oppression, generated knowledge, and secured dignity and self-determination. 3 credits. (F, Y)

Distribution: 1,H,HU,LA,SS.

CSCR 22000 - Case Studies in Global Justice (0 to 1)

This seminar will introduce students in the Martin Luther King Jr. Scholar Program to the study of social justice in an international and comparative context. In general the seminar is designed to engage scholars in analysis, discussion, writing, and action that will contribute to the development of global citizens who have the skills, perspectives, and motivation to work effectively for social justice. Each seminar will examine a particular case study while utilizing the work of Martin Luther King Jr. The seminar also provides the academic framework that explores the nexus between race, migration, and social justice. Through both individual and group work students will work to draw conclusions and life lessons from their international research and experiences. This seminar may be taken for 0 or 1 credit and is open to Martin Luther King Jr. Scholar Program participants only. For more information scholars should review the program.
requirements. Prerequisites: CSCR 12000. 0-1 credit. (F, Y)

Distribution: L,A,SS.

CSCR 23700 - History and the U.S. Mexico Borderlands (3)
This course examines the history and meanings of the unique region of the U.S.-Mexico borderlands characterized by dramatic contrasts in culture, wealth, and power through an interrogation of the analytical frameworks and paradigms that interpret the borderlands as place, process, and metaphor. The border experience reflects a long history of conflict marked by settler colonialism, international competition, economic exploitation, and state-sponsored repression. It also marks a line of persistent resistance by indigenous and immigrant populations against strategies of manifest destiny, colonial domination, racial discrimination, and xenophobia. The primary focus will be on human rights, economic development, globalization, immigration, border militarization, and "post-911" U.S.-Mexico and U.S.-Canadian borders. Prerequisites: CSCR 10700 Introduction to Latino/a Studies and one additional course in the liberal arts. 3 credits. (F,Y)

Distribution: 1,H,HU,LA.

CSCR 24200 - Miscegenation and Racial Binaries (3)
Introduction to the history, policies, laws, language, and cultural mores around interracial marriage and biracialness beyond racial binaries. Prerequisites: Sophomore standing. 3 credits. (IRR)

Distribution: L,A,SS.

CSCR 24500 - Hip-Hop Cultures (3)
Examines the historical, political, racial, economic, and social importance of hip-hop as a cultural movement. Particular attention is given to hip-hop's main tenets (writ'ing, b-boy'ing, dj'ing, and mc'ing); the political economy of racialized representations; and the legacy and agency of cultural expressions. Prerequisites: Sophomore standing. 3 credits. (Y)

Distribution: 1,H,LA,SS.

CSCR 26100 - Watching Race in American Media (3)
Explores how representations of racial and ethnic identities in U.S. film, television, and music influence the construction of political, racial, and gender identities nationally. Investigates how cultural representations of race, ethnicity, and gender are central to the development of U.S. mass culture and consumerism, nationalism, citizenship, and social movements. Particular attention is given to the role of black and Latino/a culture and music in developing strategies of resistance to oppression. Prerequisites: Sophomore standing. 3 credits. (Y)

Distribution: 1,H,HU,LA.

CSCR 30700 - Race and Colonialism (3)
This course engages colonialism as a set of racial and material practices that shaped the identities of the colonizers and the colonized as much as it did the global political economy. Three themes in particular will guide our engagement: the racial overtones and undertones of the colonial encounter, especially as embodied in the ideas of discovery, barbarism, and progress; the psychological dynamics of the relationship between the colonizers and the colonized; and the politics of oppression and liberation. Prerequisites: Junior standing. 3 credits. (Y)

Distribution: L,A,SS.

CSCR 32400 - Critical Race Theories in the United States (3)
Explores the realities and consequences of using race as a category of analysis and identity in the United States, as well as the foundations and assumptions of critical race theory. Includes the study of racism, history of racial formations, racial identities, social constructs, the black-white binary, whiteness, and critical race theory. Prerequisites: Junior standing. 3 credits. (Y)

Distribution: L,A,SS.

CSCR 35000 - Selected Topics in Culture, Race and Ethnicity (3)
Selected topics in culture, race, and ethnicity will be considered with a narrow focus and considerable depth. This course may be repeated for credit for different selected topics. Prerequisites: Junior standing. 3 credits (IRR).

Distribution: L,A,SS.

CSCR 35001 - Selected Topics in Culture, Race and Ethnicity (3)
Selected topics in culture, race, and ethnicity will be considered with a narrow focus and considerable depth. This course may be repeated for credit for different selected topics. Prerequisites: Junior standing. 3 credits (IRR).

Distribution: L,A,SS.

CSCR 35100 - Race and Sexual Politics (3)
Explores how dominant representations of racialized sexuality, femininity, and masculinity in U.S. culture and politics influence systems of inequality. Particular attention is paid to the relationship between constructions of race and sexual politics, social policy shifts in welfare reform, the prison industrial complex, and intimate justice. Focus on antiracist feminist resistance and reproductive justice. Prerequisites: Junior standing. 3 credits. (Y)

Distribution: L,A,SS.

CSCR 35200 - Punishment, Prisons, and Democracy (3)
This course explores dominant definitions of crime, punishment, and democratic justice in the United States and their relationship to imprisonment. The course begins by examining the historical and ideological roots of the U.S. prison system from slavery to the convict lease system. Focusing on the post-civil rights era, we consider how deindustrialization, the war on drugs, and shifts in policing, welfare policy, sentencing laws, and global militarism have redefined notions of U.S. justice and democracy. The course is attentive to the ways the prison industrial complex disproportionately affects people of color. Prerequisites: Junior standing. 3 credits. (Y)

Distribution: LA,SS.

CSCR 37400 - Latino/a Social Movements (3)

This course focuses on the historical relationships between Latino/as and other racial/ethnic groups in the US and Latin America with special emphasis on social movements and local grassroots efforts for social justice from post-WWII to the present. Central theoretical questions will revolve around the multi-ethnic alliances and the relationship between civil and human rights, social movements, and state repression. In particular, the course will explore poly-cultural connections between Chicanos/as and Puerto Ricans and African Americans, American Indians and Latinos/as, as well as Afro-Asian, Latino-Asian, and Anglo-Latino/as. Prerequisites: CSCR 10700 Introduction to Latino/a Studies and two additional courses in the Liberal Arts. 3 credits. (S,Y)

Distribution: HU,LA.

CSCR 43300 - Education, Oppression, and Liberation (3)

Interrogates the educational experiences of oppressed people in the African Diaspora. A historical overview of the schools, pedagogies, and curriculums developed for Black/Brown students including the political, social, economic, and cultural manifestations of “Black education.” Additionally, the course examines how educational institutions have been, and can be, used for individual, group, and global liberation. Prerequisites: Three courses in the liberal arts or permission of instructor. 3 credits. (IRR)

Distribution: 1, G, LA, SS.

CSCR 43400 - Capstone Seminar in Culture, Race, and Ethnicity (3)

Capstone seminar drawing on the skills, knowledge, and concepts developed through previous coursework in the African diaspora or Latino/a studies minors. Designed to permit intensive examination and research of selected topics not provided elsewhere in the curriculum. Seminar topics change from year to year. Prerequisites: CSCR 12300, one 200-level CSCR course, and one 300-level CSCR course. 3 credits. (Y)

Distribution: LA.

CSCR 45000 - Selected Topics in Culture, Race and Ethnicity (3)

Selected topics in culture, race, and ethnicity will be considered with a narrow focus, in-depth analysis, and advanced research and writing. This course may be repeated for credit for different selected topics. Prerequisites: CSCR 12300, one 200-level CSCR course, and one 300-level CSCR course. 3 credits (IRR).

Distribution: LA, SS.

CSCR 47800 - Las Americas: Globalizing Latino/a Studies (3)

This course historicizes economic, political, and cultural processes in the Americas during the 20th century by focusing on U.S. Latinos/as in relation to globalization. The primary emphasis will be on transnational social movements, migration and borders; state formation and international organizations; human rights; labor organizing; counterinsurgency; and regional, non-U.S. centered, inter-American relationships. This is a capstone course designed as a discussion/reading/research-intensive seminar. Prerequisites: CSCR 37400. 3 credits. (S,Y)

Distribution: HU, LA.

CSCR 49800 - Internship: Culture, Race, and Ethnicity (1 to 6)

The internship provides a structured intensive learning experience in an organization dedicated to research, planning, policymaking, or service provision in an area related to culture, race, and ethnicity. Supervision is provided by an on-site professional preceptor. Students are required to submit periodic written field reports, as well as a final internship experience report. Prerequisites: Junior standing or above and permission of instructor. 1 to 6 credits. (F-S, Y)

Distribution: NLA.

CSCR 49900 - Independent Study: Culture, Race, and Ethnicity (1 to 4)

Intensive study of the theoretical and empirical relationships between culture, race, and ethnicity. These projects will be conducted under the supervision of a faculty advisor, and will require a comprehensive research paper and/or project. A proposal for the topic and specific plans must be approved by the dean's office of the Division of Interdisciplinary and International Studies. Prerequisites: Junior standing or above, and permission of instructor. 1-4 credits. (F-S, Y)

Distribution: LA.

DNCE - Dance

DNCE 10000 - Introduction to Dance (3)

Survey of the varied forms and styles of social, spiritual, and theatrical dance. Lecture, discussion, and film viewing
provide a fundamental understanding of the development of dance forms and a foundation for evaluation and criticism of dance performance in society. 3 credits. (F,Y)

Distribution: 3B,FA,LA.

DNCE 11100 - Ballet I (1)
Introductory analysis and practice of ballet technique. Students develop an understanding of fundamental ballet technique and terminology, body awareness, elasticity and rhythmic sense. May be repeated once. 1 credit. (F,Y)

Distribution: NLA.

DNCE 11200 - Ballet II (1)
Continuation of DNCE 11100. Further analysis and practice of ballet technique. Students develop a deeper concentration in and understanding of fundamental ballet technique and terminology. Building of strength through flexibility and coordination. May be repeated once. Prerequisites: DNCE 11100 or permission of instructor. 1 credit. (S,Y)

Distribution: NLA.

DNCE 12100 - Modern Dance I (1)
Introductory analysis and practice of modern dance technique. Students develop an understanding of body awareness and fundamentals of improvisation. Emphasis is placed on expressive body movement, warm-up exercises, and basic principles of form and improvisation. May be repeated once. 1 credit. (F,Y)

Distribution: NLA.

DNCE 12200 - Modern Dance II (1)
Continuation of DNCE 12100. Further analysis and practice of modern dance technique. Students develop a deeper concentration in and understanding of body awareness and fundamentals of improvisation. May be repeated once. Prerequisites: DNCE 12100 or permission of instructor. 1 credit. (S,Y)

Distribution: NLA.

DNCE 13100 - Jazz Dance I (1)
Introductory analysis and practice of jazz dance technique for theatre performance. Students develop an understanding of fundamental movement principles, technique, and terminology. May be repeated once. 1 credit. (F,Y)

Distribution: NLA.

DNCE 13200 - Jazz Dance II (1)
Continuation of DNCE 13100. Further analysis and practice of jazz dance technique for theatre performance. Students develop a deeper concentration in and understanding of fundamental jazz movement principles. May be repeated once. Prerequisites: DNCE 13100 or permission of instructor. 1 credit. (S,Y)

Distribution: NLA.

DNCE 14100 - Tap Dance I (1)
Introductory analysis and practice in tap dance technique. Students develop an understanding of tap dance styles, history of tap dance in stage and film, and terminology. May be repeated once. 1 credit. (F,Y)

Distribution: NLA.

DNCE 14200 - Tap Dance II (1)
Continuation of DNCE 14100. Further analysis and practice of tap dance technique. Students develop a deeper concentration in and understanding of fundamental principles, technique, and terminology. May be repeated once. Prerequisites: DNCE 14100 or permission of instructor. 1 credit. (S,Y)

Distribution: NLA.

DNCE 21100 - Ballet III (2)
Continuation of DNCE 11200. Intermediate analysis and practice of ballet technique. Further development in building strength through flexibility and coordination. May be repeated once. Prerequisites: DNCE 11200 or permission of instructor. 2 credits (F, Y)

Distribution: NLA.

DNCE 22100 - Modern Dance III (2)
Continuation of DNCE 12200. Intermediate analysis and practice of modern dance technique. Further development of skills in selected styles and techniques in the modern idiom. May be repeated once. Prerequisites: DNCE 12200 or permission of instructor. 2 credits (F-S, Y)

Distribution: NLA.

DNCE 23100 - Jazz Dance III (2)
Continuation of DNCE 13200. Intermediate work in analysis and practice of jazz dance technique in theatre performance, building on skills developed in beginning jazz and ballet classes. May be repeated once. Prerequisites: DNCE 13200 and DNCE 21100 (may be taken concurrently), or permission of instructor. 2 credits. (F-S,Y)

Distribution: NLA.

DNCE 24100 - Tap Dance III (2)
Intermediate course in tap technique designed to broaden awareness and skill in tap dance for stage and film. May be repeated once. Prerequisites: DNCE 14200. 2 credits (IRR)

Distribution: NLA.

DNCE 30100 - Survey of Dance History (3)
Examines origins and development of ballet and modern dance in Western societies, considering the artistic, political, philosophical, religious and social forces that influenced the art form. Prerequisites: junior standing. 3 credits. (F,Y)

Distribution: 3B,G,H,HU,LA.

DNCE 30200 - Dance Composition (3)
Introduction to dance composition theory through original movements studies composed by students. Explore concepts of movement designed in time and space, as well as dynamics, rhythm and motivation. Prerequisites: two courses of 200-level dance technique selected from DNCE 21100, DNCE 22100, DNCE 23100, or DNCE 24100. 3 credits. (F,Y)

Distribution: FA,LA.

DNCE 31100 - Ballet IV (2)
Advanced technique course focusing on complex movements that strengthen the body and mind connection and increase personal expressiveness and artistry as a ballet dancer. May be repeated once. Prerequisites: DNCE 21100 or permission of instructor. 2 credits. (F-S,Y)

Distribution: NLA.

DNCE 31200 - Ballet IV with Pointe (2.5)
Advanced technique course, including pointe work, with emphasis on barre and center work. Focus on development of leg strength and learning variations from full length ballets. Prerequisites: DNCE 21100; permission of instructor. 2.5 credits. (S,Y)

Distribution: NLA.

DNCE 36100 - Dance for the Musical Stage I (2)
Advanced course in the techniques, forms, and styles of dance in musical theatre. Movement studies are performed to familiarize students with a variety of musical theatre dance styles focusing on mid 19th through early 20th century dance forms. Survey of the early history of dance in the American musical theatre through readings, lectures, class discussions, student research, and films. Prerequisites: two courses of 200-level dance technique selected from DNCE 21100, DNCE 22100, DNCE 23100, or DNCE 24100, or permission of instructor. 2 credits (F,Y)

Distribution: FA,LA.

DNCE 36200 - Dance for the Musical Stage II (2)
Advanced course in the techniques, forms, and styles of dance in musical theatre. Movement studies are performed to familiarize students with a variety of musical theatre dance styles focusing on 20th century dance forms. Survey of the development of dance in the American musical theatre through the present day, through readings, lectures, class discussions, student research and films. Prerequisites: two courses of 200-level dance technique selected from DNCE 21100, DNCE 22100, or DNCE 23100 (may be taken concurrently), or permission of instructor. 2 credits (S,Y)

Distribution: FA,LA.

ECON - Economics

ECON 11500 - Current Economic Issues (3)
The study of economic issues tied to selected topics, such as unemployment and inflation, budget deficits, health care reform, trade policy, poverty, discrimination and welfare reform, environmental pollution control policy, and energy policy. 3 credits. (IRR)

Distribution: 1,LA,SS.

ECON 12100 - Principles of Macroeconomics (3)
Introduction to economics as a discipline and as an analytical approach to problem solving. Macroeconomics includes the following topics: production-possibilities frontiers, determination and measurement of national income, business cycles, money and banking, federal reserve system, fiscal and monetary policies, schools of economic thought, business organizations, taxation, social versus private goods, price levels, and applications to current economic problems. 3 credits. (IRR)

Distribution: 1,LA,SS.

ECON 12200 - Principles of Microeconomics (3)
Introduction to microeconomics, with topics such as determination of price by supply and demand, theory of consumer demand and utility, analysis of costs and supply,
market structures and industry organization including monopoly, distribution of income, pricing of productive resources (wages, interest, profits, and rents), international economics, comparative economic systems, and applications to current economic problems. 3 credits. (F,Y)

Distribution: 1,LA,SS.

ECON 21100 - Seminar in Economics (1)
Can free markets be moral? How do financial scandals affect our economy and society? Are we willing to tolerate some level of scandal in order to enjoy the benefits of free markets? What can or should be done to curb the occurrence of financial scandals? These are some of the questions on which I hope to focus during the seminar. Readings will address basic philosophical questions, historical scandals, as well as contemporary ones such as the Martha Stewart and Conseco situations. Both fiction and nonfiction works will be included. In addition, we will try to incorporate a speaker from the U.S. Securities and Exchange Commission for their view on these issues. Pass/Fail 1 credit. (IRR) Washington Program.

Distribution: LA,SS.

ECON 22000 - Managerial Economics (3)
The application of microeconomic theories to managerial decisions with respect to production, pricing, auction behavior, and market participation. Topics include pricing and strategy decision making in the context of auctions, perfect competition, and imperfect competition; production and cost considerations; how to influence competitor behavior; how to react to competitor behavior; understanding and applying marginal analysis (e.g., marginal cost, marginal revenue). Prerequisites: ECON 12100-12200. Not open to students who have earned credit for FINA 30100. 3 credits. (S)

Distribution: LA.

ECON 26200 - Economics of Welfare Policies (3)
An investigation and critique of the present U.S. welfare system, leading to policy implications in the form of alternative systems that would be more cost effective. Economic criteria or optimality conditions provide the parameters for the critique. Social Security, AFDC, food coupons, housing programs, and the relationships between work incentives and welfare are analyzed. Alternatives, such as negative income tax and a restructured welfare system, are studied. Designed primarily for social work minors, but others are encouraged to enroll. Prerequisites: ECON 12200; one course in humanities, social sciences, or business. 3 credits. (F,Y)

Distribution: 1,LA,SS.

ECON 27000 - The Economic Emergence of Women (3)
Introduction to the economic issues and origins of women's new role in the economy. Topics include the economic impetus behind women's emergence, sex segregation on the job, the low wages of women, discrimination, the economics and policies of family care, and the industrialization of housework and child care. Prerequisites: ECON 12100 or ECON 12200; one course in humanities, social sciences, or business. 3 credits. (S,Y)

Distribution: 1,H,LA,SS.

ECON 28100 - Environmental Economics (3)
Introduction to the study of environmental problems with the perspective, analytical ideas, and methodology of economics. Emphasis is placed on the analysis of environmental policy. Topics include the relationship between economic activity and environmental quality, the role of economic analysis in environmental policy decisions, economic analysis of pollution control strategies, and economic analysis of environmental policy in both the United States and the international community. Prerequisites: ECON 12200. 3 credits. (S)

Distribution: 1,H,LA,SS.

ECON 28800 - Selected Topics in Economics (1 to 3)
Topics will vary. May be repeated for credit for topics on different subjects. Prerequisites: ECON-12100 - ECON-12200 . 1-3 credit. (IRR)

Distribution: LA,SS.

ECON 28801 - Selected Topics in Economics (1 to 3)
Topics will vary. May be repeated for credit for topics on different subjects. Prerequisites: ECON-12100 - ECON-12200 . 1-3 credit. (IRR)

Distribution: LA,SS.

ECON 29900 - Selected Topics in Economics (1 to 3)
The objective of this course is to provide an experiential arena for students who have taken Principles of Microeconomics to engage in economic analysis. Students run computerized firms, making decisions each day. A variety of market settings are used, giving students an opportunity to apply economic theory of the firm covered in Principles of Microeconomics. At the end of the course we will evaluate the performance of the experimental market from the perspective of the community, using normative tools of economic analysis. Prerequisite: ECON 12200.

Distribution: LA.

ECON 29901 - Selected Topics in Economics (1 to 3)
The objective of this course is to provide an experiential arena for students who have taken Principles of Microeconomics to engage in economic analysis. Students run computerized firms, making decisions each day. A variety of market settings are used, giving students an opportunity to apply economic theory of the firm covered in Principles of Microeconomics. At the end of the course
we will evaluate the performance of the experimental market from the perspective of the community, using normative tools of economic analysis. Prerequisite: ECON 12200.

Distribution: LA.

ECON 30100 - Labor Economics (3)

Presents the economics of labor through concepts such as human capital or resources; factors of production; market forces; employed, unemployed, minority, majority, union, nonunion, theory, and evidence, and their relevance to public policy decisions. Prerequisites: ECON 12100-12200; two courses in humanities, social sciences, or business. 3 credits. (F,Y)

Distribution: LA,SS.

ECON 30400 - Economics of Health Care (3)

Peculiar economic characteristics of the health care industry. Supply of and demand for health care services; causal and remedial forces of institutionalized frameworks, market mechanisms, and governmental intrusions. Analysis of pricing in terms of the above forces and productivity. Ideal economic characteristics of medical insurance, as contrasted with several proposals for national health insurance. Production for national health insurance. Production function, cost-effectiveness, and benefit-cost analysis. Cross-listed with HLTH 30400; students cannot receive credit for both ECON 30400 and HLTH 30400. Prerequisites: ECON 12200; two courses in humanities, social sciences, or business. 3 credits. (S,Y)

Distribution: LA,SS.

ECON 31200 - Economic Development (3)

Examination of economic change in developing countries. An evaluation of the goals of current development policy at national and international levels. Alternative models of the development process are analyzed and evaluated on the basis of how well the models actually performed in developing countries during the '60s, '70s, and '80s. Discussion of the feasibility of future policy options, given present internal political conditions and the current global economic climate. Different regions of the world are emphasized based on class interest. Prerequisites: ECON 12100-12200; two additional courses in humanities, social sciences, or business. 3 credits. (IRR)

Distribution: LA,SS.

ECON 32100 - Money and Banking (3)

Descriptive and theoretical treatment of money, banking, and credit phenomena in the United States. Monetary media, monetary standards, credit instruments, commercial and central banking operations, organization and operation of the Federal Reserve System, international monetary mechanisms, monetary theory, and past and present monetary policies. Prerequisites: ECON 12100-12200; two courses in humanities, social sciences, or business. 3 credits. (F,Y)

Distribution: LA,SS.

ECON 32200 - Monetary Theory and Policy (3)

Analysis of money and the monetary system in determining the level, composition, and growth of national income and the price level. Alternative theories of the supply and demand for money and the determination of interest rates. Appraisal of the impact of monetary policy on unemployment, inflation, and economic growth. Strategies of monetary policy management, including analysis of policy targets and indicators, and contemporary policy decision making. Comparison of monetary policy with other stabilization policies, including fiscal policy, incomes policies, and indexing. Prerequisites: ECON 32100 or FINA 20300. 3 credits. (S,Y)

Distribution: LA,SS.

ECON 32500 - Public Finance (3)

Study of the public sector's policy in budgeting, taxing, and spending, and an analytical assessment of the impact of fiscal policy from the point of view of macroeconomic objectives and welfare criteria. Planning programming budgeting systems. Prerequisites: ECON 12100-12200; two courses in humanities, social sciences, or business. 3 credits. (S,Y)

Distribution: LA,SS.

ECON 33300 - Econometrics I (3)

Statistical methods, simple and multiple regression analysis, and forecasting techniques applied to economic analysis. Exposure to statistical and econometric packages. Prerequisites: ECON 12100;ECON 12200; MATH 14400 or MATH 14500, or MATH 21600 or MATH 31600. 3 credits. (F,Y)

Distribution: LA,SS.

ECON 33400 - Econometrics II (3)

Advanced topics in econometrics, including problems in regression (multicollinearity, autocorrelation, heteroscedasticity), tests of linear restrictions, dummy variables, distributed lags, and simultaneous-equation models. Exposure to econometric computer packages. Prerequisites: ECON 33300. 3 credits. (S,E)

Distribution: LA,SS.

ECON 34100 - Micro Analysis (3)

Analysis of the allocation of resources, organization, and guidance of production, distribution of income, and regulation of consumption in a social economy, involving thorough consideration of the philosophy, language, concepts, measurement, and mathematics of the theories of demand, production, and markets for the firm. Not available to students who have taken ECON 34300.
Prerequisites: ECON 12100-12200; two courses in the humanities, social sciences, or business. 3 credits. (F,Y)
Distribution: LA,SS.

ECON 34200 - Macro Analysis (3)
Study of the concepts of wealth, output, and income; the process of saving and investment and its implications; the role of the government sector and of monetary policy; the theory of employment and output determination; and the problems caused by the requirement of economic growth. Not available to students who have taken ECON 34400. Prerequisites: ECON 12100-12200; two courses in the humanities, social sciences, or business. 3 credits. (F,Y)
Distribution: LA,SS.

ECON 36500 - Sport Economics (3)
Application of economic theory to the markets of professional and amateur sports. This course applies economic principles to analyze a wide range of issues within the realm of professional sports and intercollegiate athletics. Included are the analysis of labor markets and labor relations, public finance of sports facilities, and the organization of sports institutions. Students cannot also receive credit for SPMM 36500. Prerequisites: SPMM 11000; ECON 12100; and ECON 12200. 3 credits. (F,Y)
Distribution: LA,SS.

ECON 36800 - Globalization and Human Development (3)
This course provides a working knowledge of contemporary issues related to globalization. The emphasis is on analysis of arguments concerning the linkages between trade and financial liberalization, economic growth, poverty alleviation, and well-being. Prerequisites: ECON 12100, ECON 12200, 2 courses in social sciences or humanities. 3 credits. (F,Y)
Distribution: I,G,LA,SS.

ECON 37200 - Industrial Organization Economics (3)
Extends and refines the economic theory of the firm to which students are exposed in economics principles courses. Drawing empirical evidence primarily from U.S. industries, it examines theories concerning the motives of firms, barriers to entry, product differentiation, and interdependence among firms. It also examines U.S. antitrust policy and regulatory issues. Prerequisites: ECON 12100-12200; two courses in humanities, social sciences, or business. 3 credits. (F or S,Y)
Distribution: LA,SS.

ECON 38200 - Economics of Growth (3)
Analysis and description of the process of economic growth. A study of the role of government policy in affecting the growth of national output and the growth of factors of production that will sustain growth of national output. Topics include determinants of saving, investment in human and nonhuman capital, measurement of productivity of resources, and description of the generalized resource known as total factor. Prerequisites: ECON 12100-12200; MATH 10800 or MATH 11100; two courses in humanities, social sciences, or business. 3 credits. (F,Y)
Distribution: LA,SS.

ECON 41100 - International Economics (3)
Study of international trade patterns, gains from trade, and international investment, both private and government. Issues discussed include pros and cons of free trade, tariffs, the European Union, customs unions, currency markets, and balance of payments adjustment mechanisms. Prerequisites: ECON 34200; two courses in humanities, social sciences, or business. 3 credits. (S,Y)
Distribution: 1,G,LA,SS.

ECON 41300 - Economic Fluctuations and Forecasting (3)
This course examines a variety of theories that explain the nature of economic fluctuations. The history of expansions and recessions in the United States is reviewed. Statistical techniques for forecasting the major macroeconomic variables are presented in detail. Various forecasting strategies, such as large-scale econometric models and the leading indicators, are evaluated. Prerequisites: ECON 33300; ECON 34200. 3 credits. (S,O)
Distribution: LA,SS.

ECON 41600 - Economics of Human Resources (3)
Analysis of activities that influence future monetary and psychic income by increasing the resources of people, including skills, knowledge, and physical capacities. The activities are investments in human resources or human capital, including investments in health, education, welfare, job search, migration, and on-the-job training. The course includes an analysis of these investments in a theoretical framework supported by a survey of empirical studies. Primarily for economics majors, but open to nonmajors by permission. Prerequisites: ECON 12100-12200; senior standing; or equivalent. 3 credits. (S,O)
Distribution: LA,SS.

ECON 49000 - Internship: Economics (1 to 6)
Designed to offer applications of economic concepts. Business, banking, law, government, and not-for-profit agencies provide the settings. The student is expected to prepare a log of activities, an interim report, and a final report consisting of an economic analysis of the internship experience. Must be taken in the United States or London. All guidelines of the School of Humanities and Sciences must be followed. Prerequisites: Senior standing as major in the department or, with permission of the department, junior standing. 1-6 credits. (F-S,Y)
Distribution: NLA.
ECON 49200 - Special Problems in Economics (Tutorial) (3)
Guided research, study, and writing on subjects selected by faculty-student consultation. Prerequisites: ECON 12100-12200; senior standing; or equivalent. 3 credits. (F,Y)
Distribution: LA,UND.

ECON 49900 - Independent Study: Economics (1 to 4)
Program of special reading and research under supervision of the department. Offered on demand only. Prerequisites: ECON 12100-12200; senior standing; or by special permission of the department. 1-4 credits.
Distribution: LA,UND.

EDUC - Education

EDUC 10100 - Literacy Education for the Middle/Secondary School Teacher (2)
Provides prospective middle- and secondary-level teachers with an understanding of the theory and process of literacy development, and how it can be integrated with discipline-specific curricula and pedagogies. Topics include theories behind language and literacy development, the cognitive consequences of literacy and language, secondary-level reading and writing as a process, media literacy, and an introduction to discipline-specific literacy. 2 credits. (S,Y)
Distribution: LA,TE,UND.

EDUC 11000 - Child Abuse Identification and Prevention Seminar (0)
All candidates for teaching certification must attend a two-hour workshop on child abuse identification and prevention. The workshop is offered once each semester. 0 credits. (F-S)
Distribution: NLA,UND.

EDUC 11100 - Drug and Alcohol Abuse: Identification and Prevention (0)
A two-hour workshop on the identification and prevention of drug and alcohol abuse. This workshop is required for teaching certification candidates in music education, physical education, or any HS teacher education program. The workshop is offered at least once each semester. 0 credits. (F-S)
Distribution: NLA,UND.

EDUC 19210 - Child Abuse Identification and Prevention (0)
A two-hour workshop on child abuse identification and prevention. Offered at least once each semester. Pass-Fail only. 0 credits. (F-S)
Distribution: NLA.

EDUC 19220 - Drug and Alcohol Abuse: Identification and Prevention (0)
A two-hour workshop on the identification and prevention of drug and alcohol abuse. Offered at least once each semester. Pass-Fail only. 0 credits. (F-S)
Distribution: NLA.

EDUC 19230 - School Violence Prevention (0)
A two-hour workshop on school violence prevention. Offered at least once a semester. Pass-fail only. Zero credits. (F-S, Y)
Distribution: NLA.

EDUC 20000 - Education and Society (3)
Open elective for students interested in exploring educational issues and the interaction between schools and society. Includes study of the history and philosophy of U.S. education, educational systems in other countries, and research and opinion concerning contemporary educational policy and practice. Students use course materials as a lens for reflecting on their own school experience and for developing informed positions about how to improve U.S. schools. 3 credits. (F-S)
Distribution: 1,H,LA,SS.

EDUC 20100 - Technology for the Middle/Secondary School Teacher (2)
Introduction to the concepts and skills necessary for applying/using information technology in educational settings. Topics include basic computer/technology operations and concepts, terminology, modes of access, manipulation of data, installation and use of software, basic troubleshooting, use of a variety of peripheral devices, social and ethical issues, and the pedagogical use of various technologies. Projects require integrating and applying concepts and skills developed in the course to students' fields in the teaching profession. Prerequisites: Sophomore standing and open only to students in teacher education programs and speech-language pathology. 2 credits. (F-S, Y)
Distribution: NLA.

EDUC 21000 - Mentoring in the Community (2)
Ithaca College students work as mentors with area high school students who have been identified as having aptitude for, but limited access to, college education. Mentors meet regularly with the high school students, providing social and academic reinforcement to support their option to attend college. Prerequisites: Completion of application form; sophomore standing or above; permission of instructor. All students must take EDUC 21000 before enrolling in EDUC 21100. 4 credits, 2 credits each semester. Two semesters required. (F-S,Y)
Distribution: NLA,SS.
EDUC 21910 - Early Field Experience: Theory and Practice (3)

This course is required for and open only to students who have declared a teaching option in H&S or in speech-language pathology and audiology. It introduces students to the public and private education system in an extended field experience; each student completes 50 hours of fieldwork in a classroom setting. This is a coordinated offering of Ithaca College and the area schools. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)

Distribution: LA,TE,UND.

EDUC 22000 - Issues in Elementary Education (3)

Investigates contemporary issues in elementary education, including historical development of elementary classroom practice (emphasis on reading instruction); philosophical and psychological theories of learning; women’s role in elementary school teaching; children’s literature and storytelling in child development; impact of societal problems on children and families; media literacy initiatives in elementary schools; assessment practices; conflict resolution; family involvement in children’s schooling; multicultural understandings; calls for, and examples of, school reform. Prerequisites: Sophomore standing or above. 3 credits. (F-S,Y)

Distribution: LA,SS.

EDUC 22900 - Second Language Acquisition: Its Nature and Meaning for Educators (2)

A comparison of first- and subsequent-language learning as it affects the school-age population. The sociocultural nature of language and language acquisition is addressed, as well as specific needs in the multicultural classroom. The multifaceted fundamentals surrounding the nonnative speaker and second-language learning are provided to prepare the student to understand the paradigm shifts that have resulted from demographic changes in this country. It is recommended that this course be taken concurrently with or after EDUC 10100 or SLPA 21900. Prerequisites: Sophomore standing. 2 credits. (F-S,Y)

Distribution: LA,SS,TE.

EDUC 23900 - Educating Students with Special Needs in Diverse Classrooms (3)

Introduces future educators to special populations of children encountered in diverse mainstream classrooms. Considers the characteristics of various special populations, including orthopedic impairments, mental retardation, autism, hearing and vision impairment, traumatic brain injury, ADHD, and learning disabilities. Reviews federal mandates, legal issues, family issues, school personnel collaboration, and education methodologies. This course should be taken prior to student teaching. Open only to teacher education students in the School of Humanities and Sciences and the School of Music. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)

Distribution: LA,TE,UND.

EDUC 29000 - 29010 - Special Topics in Education (3)

Investigation of selected topics in the field of education as determined by specialized faculty research, teaching interests, and trends. Prerequisites: Sophomore standing. 3 credits. (IRR)

Distribution: LA,UND.

EDUC 31410 - Pedagogy and Practice for the Art Teacher (4)

Must be taken with EDUC 40810. Examines the teaching of visual art to students at the elementary, middle, and secondary levels. This course will provide grounding in the history of art education in the United States, current theory and practice of teaching art, and artistic development in children and adolescents. Emphasis is placed on the New York State standards in the visual arts for development of art lessons that contain relevant objectives, motivation, methodology, and evaluation techniques. Various art materials, techniques, and processes suitable for K-12 levels will be examined. Additional topics are incorporating art history, aesthetics, and art criticism in the curriculum; health and safety issues of art materials; art room organization; selecting and ordering supplies; and fostering professionalism. This course also provides practice in developing teaching skills through presentation of lesson plans in various media at the elementary, middle, and secondary levels; 20 hours of observation and fieldwork in local public schools are required. Prerequisites: EDUC 21910; EDUC 34000; PSYC 21010; concurrent enrollment in EDUC 40810. 4 credits. (F,Y)

Distribution: NLA,TE,UND.

EDUC 34000 - Social and Cultural Foundations of Education (3)

Required for all students in teacher certification programs, but open to other students as well. Combines historical, philosophical, sociological, and anthropological perspectives to investigate contemporary social and cultural issues in education and teaching. Provides preparation for critically reflective decision making and for working effectively with diverse students and communities. Topics include equal educational opportunity; the financing of U.S. schools; tracking/ability grouping; the sociocultural dynamics of teaching and learning; multicultural education; social class issues; gender bias and equity; the experiences of African American, Latino, Asian American, and linguistic minority students in U.S. schools; educating students with disabilities; the role of religion in U.S. schools; issues of sexuality; working with families and communities; developing schools as caring learning communities; effective uses of technology; and recent proposals for...
school reform. Prerequisites: Three social science or humanities courses. 3 credits. (F,S)
Distribution: 1,H,LA,SS,TE.
EDUC 36000 - Education for Social Change (3)
Examination of schools and teaching as forces for constructive social change, investigating how educators can create learning experiences in schools, classrooms, youth programs, and communities that will contribute to the school success of all youth and the development of a more equitable and just society. Particular attention paid to democratic approaches to teaching and learning; multicultural education; critical reflection; experiential learning; youth activism; community-based education; and innovative uses of technology. The course reflects in its process many of the topics studied. Students participate in the design of the syllabus and engage in project-centered learning, including a combination of individual and group work. Class discussion and weekly volunteer projects. Prerequisites: Sophomore standing or above; one of the following: EDUC 20000, EDUC 21000-21100, EDUC 34000, EDUC 21010, or permission of the instructor. 3 credits. (S,Y)
Distribution: LA.
EDUC 37000 - Culture and Community in Education and Teaching (3)
A sociocultural analysis of schools, teaching, and learning for the purpose of creating more effective educational experiences for culturally diverse learners. Students learn to incorporate knowledge about race, ethnicity, social class, gender, and other important aspects of culture into the design of schools and educational programs and lessons. Particular attention is given to cultural information about African American, Latino, and Asian American youth and families. All students in the course work a minimum of three hours a week with youth in a community program or school and develop projects specific to their interests and community placements. Prerequisites: either EDUC 34000, or two courses from among the following: EDUC 20000, EDUC 22000, EDUC 36000, PSYC 21010, SOCI 11600, SOCI 20700, SOCI 32500, ANTH 10400, and ANTH 31000 and junior standing; or permission of instructor (interested juniors and seniors who do not have the prerequisites are encouraged to contact the professor).
Distribution: 1,LA,SS.
EDUC 40510 - Pedagogy and Practice for the Mathematics Teacher (3)
Examines the teaching of mathematics in the middle and secondary levels, including current knowledge and research on the learning of mathematics for all students, national and state standards, the New York State mathematics curriculum, professional journals and organizations, supplemental instructional techniques, appropriate use of technology and assessments, and actual practice in teaching. Twenty-hour field experience component. Prerequisites: EDUC 21910; EDUC 34000; PSYC 21010; senior standing; concurrent enrollment in EDUC 40810. 3 credits. (F,Y)
Distribution: TE.
EDUC 40810 - Pedagogy and Practice across the Disciplines (3)
Explores the general teaching methods that span the disciplines and promote quality teaching at the middle and secondary levels. This course also offers practice in developing teaching skills through the use of student teaching presentations that serve as a transition into student teaching. There are 10 hours of guided observations in middle and secondary schools. Prerequisites: EDUC 21910, EDUC 34000, and PSYC 21010; concurrent enrollment in the pedagogy and practice course in the discipline. 3 credits. (F,S,Y)
Distribution: NLA,TE,UND.
EDUC 40910 - Pedagogy and Practice in the Teaching of Social Studies (3)
Emphasizes teaching social studies in grades 7-12, with special reference to the New York State social studies curriculum. Examines and applies subject-specific methods and materials, including the evaluation of student work; teaching students of varying needs, interests, and levels of preparation; and conceptualizing, organizing, presenting, and evaluating social science content. Mastery of both theoretical concepts and their application in the classroom is essential. Special attention is given to the role of technology in social studies. Includes a fieldwork component of 20 hours of supervised observation and teaching in the public schools. Prerequisites: EDUC 21910, EDUC 34000; and PSYC 21010. 3 credits. (Y)
Distribution: NLA,TE,UND.
EDUC 41010 - Pedagogy and Practice for the Science Teacher (3)
This is the companion course to EDUC 40810 for students seeking certification in biology, chemistry, or physics. It examines the teaching of science at the middle and secondary levels, including current knowledge about the learning of science. It also includes special considerations for teaching laboratory sciences, including laboratory safety. Topics include the appropriate use of technology in science education; the adaptations needed for students who are gifted and talented, students who have disabilities, and students with other special needs; and continued professional development of the teacher after certification. Students will examine professional journals and organizations as well as the New York State science curriculum; there will be 20 hours of observation and fieldwork in local public schools. Prerequisites: EDUC
21910, EDUC 34000; PSYC 21010. Corequisite: EDUC 40810. 3 credits. (F,Y)
Distribution: NLA,TE,UND.
EDUC 41110 - Pedagogy and Practice for the English Teacher (3)
Must be taken with EDUC 40810. Examines the teaching of English at the secondary level. Special emphasis is placed on the New York State curriculum, on actual practice in teaching and evaluating students' work, and on current instructional technology. Will include 20 hours of fieldwork. Prerequisites: EDUC 21910, EDUC 34000; PSYC 21010. Corequisite: EDUC 40810. 3 credits. (Y)
Distribution: NLA,TE,UND.
EDUC 41210 - Seminar in Reflective Practice (3)
Taken concurrently with EDUC 49810. This serves as the reflective component of student teaching, where students will analyze their teaching and confront issues facing them as new teachers. Students will also design and prepare their interview portfolios. Also addresses specific New York State Education Department regulations; including health and safety needs; alcohol, tobacco, and drug abuse; identification and prevention of child abuse; fire safety instruction; prevention of child abduction; and safety education. Corequisites: EDUC 49810. 3 credits. (F,S,Y)
Distribution: LA,TE.
EDUC 41300 - Selected Topics in the Foundations of Modern Education (3)
Seminar course. Specialized inquiries in sociology of education, philosophy of education, or history of education. 3 credits. (IRR)
Distribution: HU,LA,SS.
EDUC 41310 - Pedagogy and Practice of Teaching Languages Other Than English (3)
Must be taken with EDUC 40810. Examines the teaching of modern languages in grades 7-12, including the New York State curriculum, current journals and organizations in the area of modern languages, supplemental teaching methodologies, and the correction of student work. Special attention given to the role of technology in second-language acquisition. Includes a fieldwork component of 20 hours of observation and teaching in public schools. Prerequisites: EDUC 21910, EDUC 34000; PSYC 21010. Corequisite: EDUC 40810. 3 credits. (Y)
Distribution: NLA,TE,UND.
EDUC 49700 - Fieldwork in Education (1 to 9)
Directed fieldwork under a teacher education program faculty member's supervision, culminating in a major paper or comparable product. Written proposal to the teacher education program, describing the terms of the particular project, is required. Open only to juniors and seniors who have completed one or more courses at level 3 or 4 in education. Prerequisites: Permission of instructor. Variable credit. (F-S)
Distribution: NLA.
EDUC 49810 - Professional Semester in Education (12)
Taken concurrently with EDUC 41210. A full semester of observation and supervised teaching at both the middle and high school levels. Additional coursework requires permission of department chair and coordinator of teacher education. Corequisites: EDUC 41210. 12 credits. (F,S,Y)
Distribution: NLA,TE,UND.
EDUC 49900 - Independent Study in Education (1 to 3)
Study with a faculty member of specific problems in education. Written proposal to the coordinator of the teacher education program, describing the terms of the particular project, is required. Prerequisites: Permission of instructor. 1-3 credits. (F,S)
Distribution: LA.

ENGL - English
ENGL 10500 - Introduction to American Literature (3)
Study of literary modes, such as fiction, poetry, essays, and drama, in which American writers have expressed ideals of individual conduct and social relationships or have appraised and challenged the practices of society. Emphasis is placed on class participation. 3 credits. (F,S,Y)
Distribution: 3A,HU,LA.
ENGL 10700 - Introduction to Literature (3)
Works of English, American, or European literature from early or recent times are considered in relation to one or more recurrent themes. Emphasis is placed on class participation. 3 credits. (F,S,Y)
Distribution: 3A,HU,LA.
ENGL 10900 - Introduction to Drama (3)
Critical discussion of drama, covering a broad range of forms and techniques, with an emphasis placed on class participation. Recommended for beginning English majors. Also offered through the London Center. 3 credits. (F,S,Y)
Distribution: 3A,HU,LA.
ENGL 11000 - Introduction to Fiction (3)
Critical discussion of fiction, covering a broad range of forms and techniques. Emphasis is placed on class participation. Recommended for beginning English majors. Also offered through the London Center. 3 credits. (F,S,Y)
Distribution: 3A,HU,LA.
ENGL 11200 - Introduction to the Short Story (3)
Critical discussion of short stories, covering a broad range of forms and techniques, with an emphasis placed on class participation. 3 credits. (F-S,Y)

Distribution: 3A,HU,LA.

ENGL 11300 - Introduction to Poetry (3)

Critical discussion of poetry, covering a broad range of forms and techniques, with an emphasis placed on class participation. Recommended for beginning English majors. 3 credits. (F-S,Y)

Distribution: 3A,HU,LA.

ENGL 20007 - Honors Intermediate Seminar (3)

Distribution: 3A,3B,H,HU,LA.

ENGL 20100 - Approaches to Literary Study (3)

An examination of the discipline of literary studies. Explores issues that concern literary critics as they read and write about works of literature, including the historical development of literary studies, canonicity, the conventions of literary-critical discourse, and the assumptions and interpretive consequences of different theoretical and critical approaches to literature. Designed to develop skills for reading both primary and secondary texts. Intended for English majors; open to nonmajors on a space-available basis. Prerequisites: One course in English. 3 credits. (S,Y)

Distribution: 3A,HU,LA.

ENGL 21000 - The Literature of Horror (3)

Survey of horror literature from its commercial origins in the 18th century through contemporary writers. Writers whose works are examined include Edgar Allan Poe, Henry James, Franz Kafka, Bram Stoker, and H. P. Lovecraft. Prerequisites: One course in literature. 3 credits. (S,Y)

Distribution: HU,LA.

ENGL 21100 - Jewish-American Writers (3)

Study of dramas, short stories, and novels of Jewish-American writers who have gained prominence since the 1950s, such as Miller, Malamud, Mailer, Singer, Roth, and Bellow. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: 3A,HU,LA.

ENGL 21200 - Survey of Science Fiction (3)

Survey of fantasy and science fiction from Beowulf to cyberpunk. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (IRR)

Distribution: 3A,HU,LA.

ENGL 21500 - Contemporary Topics in Science Fiction (3)

Courses offered under this number will focus on varying topics within the genre of science fiction. Prerequisite: one course in the humanities or social sciences, or sophomore standing. 3 credits. (IRR)

Distribution: 3A,HU,LA.

ENGL 21600 - Contemporary British Fiction (3)

Deals with works of British fiction since World War II for their literary value and for their portrayal of British society during the last five decades. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: 3A,HU,LA.

ENGL 21800 - Modern and Contemporary American Drama (3)

Study of the leading American dramatists of the 20th and 21st centuries, such as O'Neill, Behrman, Odets, Sherwood Anderson, Wilder, Hellman, Miller, Williams, Inge, Albee, and Eliot. Prerequisites: Sophomore standing. 3 credits. (F or S,Y)

Distribution: 3A,HU,LA.

ENGL 21900 - Shakespeare (3)

Study of six to eight Shakespeare plays as examples both of the way dramatic literature works and of the achievement of the greatest of English writers. Since plays vary each semester, course may be repeated once for credit. Prerequisites: One course in the humanities or social sciences, or sophomore standing. Also offered through the London Center. 3 credits. (F-S,Y)

Distribution: 3A,H,HU,LA.

ENGL 22000 - Black Women Writers (3)

Study of black women writers such as Hurston, Angelou, Morrison, and Walker. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: 3A,HU,LA.

ENGL 22100 - Survey of African American Literature (3)

A study of African American literature from the slave narrative to the present. Writers whose works are examined include Frederick Douglass, W. E. B. DuBois, Zora Neale Hurston, Richard Wright, and Toni Morrison. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: 3A,HU,LA.

ENGL 23400 - Survey of African American Literature (3)

A study of African American literature from the slave narrative to the present. Writers whose works are examined include Frederick Douglass, W. E. B. DuBois, Zora Neale Hurston, Richard Wright, and Toni Morrison. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: 3A,HU,LA.
from the Bible. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: 3A,G,H,HU,LA.

ENGL 23200 - Medieval Literature (3)
Readings are drawn from the northern European epic, medieval romances, and medieval drama. Also Dante, "The Divine Comedy"; Chaucer, "Troilus and Criseyde" and "The Canterbury Tales." Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: 3A,H,HU,LA.

ENGL 27100 - Renaissance Literature (3)
The continental backgrounds: Renaissance writers in Italy, France, and Spain. Major trends in English literature from the early 16th century through Milton, with an emphasis on Elizabethan and Jacobean drama. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: HU,LA.

ENGL 28100 - Romantic-Victorian Literature (3)
Romanticism in France and Germany; English romantic and Victorian poetry. The movement toward realism, especially in the French and English novel. Prerequisites: One course in the humanities or social sciences, or sophomore standing. 3 credits. (F or S,Y)

Distribution: HU,LA.

ENGL 29900 - Independent Study: English (1 to 3)
Reading and writing focused on an individual project arranged by a student with a particular faculty member. Offered on demand only. A maximum of 3 credits may be counted toward requirements for the English major or minor. Prerequisites: One literature course and sophomore standing. 1-3 credits. (IRR)

Distribution: HU,LA.

ENGL 31100 - Dramatic Literature I (3)
Studies in dramatic literature prior to Ibsen. Prerequisites: Any three courses in English, history of the theater, or introduction to the theater. 3 credits. (F,Y)

Distribution: 3A,H,HU,LA.

ENGL 31200 - Dramatic Literature II (3)
Studies in modern drama. Prerequisites: Any three courses in English, history of the theater, or introduction to the theater. 3 credits. (S,Y)

Distribution: 3A,G,HU,LA.

ENGL 31800 - Short Story (3)
Survey of 19th- and 20th-century short stories, British and American, by Poe, Hawthorne, Crane, Joyce, Hemingway, Lawrence, Bowen, Nabokov, Updike, Malamud, and others. History and development of the short story. Prerequisites: 9 credits of English. 3 credits. (IRR)

Distribution: HU,LA.

ENGL 31900 - Great American Writers before 1890 (3)
Puritan writers, Benjamin Franklin; romantic writers such as Poe, Hawthorne, Emerson, Thoreau, Melville, Twain, Whitman, and James. Lecture and discussion. Prerequisites: 9 credits of English. 3 credits. (F or S,Y)

Distribution: HU,LA.

ENGL 32000 - Great American Writers after 1890 (3)
Stephen Crane, Dreiser, and the naturalist movement. Later writers such as Sherwood Anderson, Fitzgerald, Hemingway, Faulkner, and Ellison. Poets such as Robinson, Frost, Eliot, and Stevens. Prerequisites: 9 credits of English. 3 credits. (F or S,Y)

Distribution: HU,LA.

ENGL 32300 - Biblical Interpretation in Judaism and Christianity (3)
Examines the theological and literary dimensions of reading the Bible in the Jewish and Christian traditions. Focuses on the comparative study of Jewish and Christian methodologies for interpreting the Bible. Prerequisites: Three courses in the humanities, at least one of which is in English, Jewish studies, or religious studies. 3 credits.

Distribution: HU,LA.

ENGL 32400 - Literature of the Bible (3)
A study of major narratives and poetry from the Bible, together with their influence on subsequent literature. Emphasis is placed on literary strategies and historical knowledge that enable critical understanding. Prerequisites: Three courses in the humanities. 3 credits. (S,E)

Distribution: HU,LA.

ENGL 32500 - Studies in Medieval English Literature (3)
Topics vary. Prerequisites: 9 credits of English. This course may be repeated once for credit when topics vary for a total of 6 credits. 3 credits. (F or S,Y)

Distribution: HU,LA.
ENGL 33100 - Studies in the English Renaissance (3)
Topics vary. Prerequisites: 9 credits of English. This course may be repeated once for credit when topics vary for a total of 6 credits. 3 credits. (F or S,Y)
Distribution: HU, LA.

ENGL 34100 - Studies in the Enlightenment (1660-1770) (3)
Topics vary. Prerequisites: 9 credits of English. This course may be repeated once for credit when topics vary for a total of 6 credits. 3 credits. (F or S,Y)
Distribution: HU, LA.

ENGL 35000 - Imagining Herself: Women's Autobiography (3)
Examination of the way women have employed autobiography as a form of self-expression and gender definition. Consideration of the way autobiographies differ from other forms of personal expression and how they can be analyzed as literary texts. Authors may include Beryl Markham, Zora Neale Hurston, Audre Lorde, Annie Dillard, Dorothy Allison, Maxine Hong Kingston, Nancy Mairs, May Sarton, and Temple Grandin. Prerequisites: Three courses in the humanities, one of which is an English course; sophomore standing. 3 credits. (F or S,Y)
Distribution: HU, LA.

ENGL 35100 - Studies in Young Adult and Children's Literature (3)
Courses offered under this number will focus on varying topics within the genre of young adult and/or children's literature. These courses may cohere around a particular theme; they may bring together literature from different genres and various periods; and they may be interdisciplinary in nature. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: Three courses in the humanities; junior standing. 3 credits. (Y)
Distribution: HU, LA.

ENGL 35200 - Studies in 19th-Century English Literature (3)
Topics vary. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (F or S,Y)
Distribution: HU, LA.

ENGL 36300 - Irish Literature (3)
A study of the sudden flowering of Irish literature between 1885 and 1939 and its influence on the political and social history of the time. Readings from Yeats, Joyce, Synge, and O'Casey, as well as lesser-known figures of the period. Prerequisites: 9 credits of English. Also offered through the London Center. 3 credits. (IRR)

ENGL 36500 - Studies in the Novel (3)
Studies in the novel, with topics varying from semester to semester. Concentration may be on a theme, a period, a type, etc. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (F or S,Y)
Distribution: HU, LA.

ENGL 36900 - Studies in Multicultural American Literature (3)
Studies in diverse voices in American literature, including African American, Jewish American, Native American, Hispanic American, and Asian-American writers. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (F,S)
Distribution: HU, LA.

ENGL 37000 - American Poetry (3)
A survey of the main currents of American poetry from the middle of the 19th century to the present. Beginning with the poetry of Walt Whitman and Emily Dickinson, the course establishes the dialectic poles of attraction for American writing, concentrating on such major 20th-century poets as Robert Frost, Wallace Stevens, T. S. Eliot, William Carlos Williams, Theodore Roethke, Robert Lowell, and James Wright. Prerequisites: 9 credits of English. It is recommended that students take either ENGL 11300 Introduction to Poetry or ENGL 10500 Introduction to American Literature prior to this course. 3 credits. (IRR)
Distribution: HU, LA.

ENGL 37100 - Studies in African American Literature (3)
Studies in selected topics involving African American literature, literary movements, and traditions. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits in English. 3 credits. (F-S, Y)
Distribution: HU, LA.

ENGL 37101 - Studies in African American Literature (3)
Studies in selected topics involving African American literature, literary movements, and traditions. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits in English. 3 credits. (F-S, Y)
Distribution: HU, LA.

ENGL 37102 - Studies in African American Literature (3)
Studies in selected topics involving African American literature, literary movements, and traditions. This course may be repeated once for credit when topics vary for a
total of 6 credits. Prerequisites: 9 credits in English. 3 credits. (F-S, Y)

Distribution: HU, LA.

ENGL 37103 - Studies in African American Literature (3)
Studies in selected topics involving African American literature, literary movements, and traditions. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits in English. 3 credits. (F-S, Y)

Distribution: HU, LA.

ENGL 37200 - Studies in American Literature (3)
Studies in different selected figures in American literature each semester. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. Since content varies each semester, course may be repeated once for credit. Also offered through the London Center (F-S). 3 credits. (F or S, Y)

Distribution: HU, LA.

ENGL 37300 - Renaissance Drama (3)
Study of the English drama after Shakespeare. Visits to museums and sites in London for the background of the Jacobean and early Caroline periods. Readings from Beaumont, Fletcher, Ford, Jonson, Middleton, and Webster. Prerequisites: ENGL 21900 or ENGL 27100. Also offered through the London Center (S, Y). 3 credits. (IRR)

Distribution: HU, LA.

ENGL 37700 - Nineteenth-Century British Novel (3)
The writings of Jane Austen, Charles Dickens, George Eliot, Henry James, and Thomas Hardy in their historical and cultural context. Critical approaches to the study of the novel. Prerequisites: 9 credits of English. Also offered through the London Center (F). 3 credits. (F or S, Y)

Distribution: HU, LA.

ENGL 37800 - Twentieth-Century British Novel (3)
The development of the British novel from the end of the 19th century. A comparison of theme, style, and structure within the historical and cultural context. Authors such as James Joyce, D. H. Lawrence, E. M. Forster, Graham Greene, and William Golding. Prerequisites: 9 credits of English. Also offered through the London Center (S, Y). 3 credits. (F or S, Y)

Distribution: HU, LA.

ENGL 38000 - Studies in World Literature (3)
Studies in world literature, with a focus on literatures and cultures outside of the United States and Great Britain. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (F or S, Y)
Studies in 20th-century European literature, mostly British and Irish. Concentration may be on a theme, a genre, a particular author or group of authors, etc. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (IRR)

Distribution: HU, LA.

ENGL 38400 - Modern British Women Writers (3)
This course will explore a wide range of fiction, drama, and poetry written by 20th-century women, with close attention not only to the historical conditions out of which these texts arose and how female writers speak to (and about) one another, but also to how style, form, and genre bear on the representation of marriage, sexuality, religion, parenthood, authority, and the expression of identity. Authors vary, but may include Mansfield, Woolf, Spark, Sayers, Churchill, Stevie Smith, Eavan Boland. Prerequisites: 9 credits of English. 3 credits. (Y)

Distribution: HU, LA.

ENGL 38600 - Studies in Indian Literature (3)
Studies in Indian literature, with topics varying from semester to semester. Concentration may be on a particular author, a group of authors, a theme, a style, etc. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (Y)

Distribution: HU, LA.

ENGL 38601 - Studies in Indian Literature (3)
Studies in Indian literature, with topics varying from semester to semester. Concentration may be on a particular author, a group of authors, a theme, a style, etc. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (Y)

Distribution: HU, LA.

ENGL 38602 - Studies in Indian Literature (3)
Studies in Indian literature, with topics varying from semester to semester. Concentration may be on a particular author, a group of authors, a theme, a style, etc. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (Y)

Distribution: HU, LA.

ENGL 38603 - Studies in Indian Literature (3)
Studies in Indian literature, with topics varying from semester to semester. Concentration may be on a particular author, a group of authors, a theme, a style, etc. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (Y)

Distribution: HU, LA.

ENGL 38700 - Teaching Literature in Middle School and High School (3)
Designed for potential middle school and high school teachers of English. Study of various works of literature frequently taught in middle school and high school, with an emphasis on presentation to younger students. Prerequisites: 9 credits of English. 3 credits. (IRR)

Distribution: HU, LA.

ENGL 39000 - Selected Topics in Literature (3)
Courses offered under this number will focus on varying topics within the discipline of literary studies. These courses may cohere around a particular theme; they may bring together literature from various periods; and they may be interdisciplinary in nature. This course may be repeated once for credit when topics vary for a total of 6 credits. Prerequisites: 9 credits of English. 3 credits. (IRR)

Distribution: HU, LA.

ENGL 41000 - Seminar in Medieval English Literature (3)
Open to upper-class English majors and to other upper-class students with permission of instructor. 3 credits. Prerequisites: ENGL 23200; permission of instructor. (F or S, Y)

Distribution: HU, LA.

ENGL 42000 - Seminar in Shakespeare (3)
Open to upper-class English majors and to other upper-class students with permission of instructor. 3 credits. Prerequisites: ENGL 21900; permission of instructor. (F or S, Y)

Distribution: HU, LA.

ENGL 42500 - History and Structure of the English Language (3)
Investigation of historical, theoretical, and structural elements of the English language necessary for understanding and communicating in written and spoken English, focusing on grammar, syntax, morphology, etymology, and the history of the English language. Study of issues in composition as they relate to the teaching of writing. Required of English with Teaching Option majors. Prerequisites: four English courses, one of which must be at level 3. 3 credits. (F, Y)

Distribution: HU, LA.

ENGL 42500 - History and Structure of the English Language (3)
Open to upper-class English majors and to other upper-class students with permission of instructor. 3 credits. Prerequisites: ENGL 27100; permission of instructor. (F or S, Y)

Distribution: HU, LA.
ENGL 44000 - Seminar in the English Enlightenment (1660-1770) (3)
Open to upper-class English majors and to other upper-class students with permission of instructor. 3 credits. 
Prerequisites: ENGL 27200; permission of instructor. (F or S,Y)
Distribution: HU,LA.

ENGL 45000 - Seminar in 19th-Century Literature (3)
Open to upper-class English majors and to other upper-class students with permission of instructor. 3 credits. 
Prerequisites: ENGL 38100; permission of instructor. (F or S,Y)
Distribution: HU,LA.

ENGL 46000 - Seminar in 20th-Century English Literature (3)
Open to upper-class English majors and to other upper-class students with permission of instructor. 3 credits. 
Prerequisites: Four English courses, at least two of which are at level 2 or above; junior standing. (F or S,Y)
Distribution: HU,LA.

ENGL 47000 - Seminar in American Literature before 1890 (3)
Topics may include puritan literature, 18th- and 19th-century women writers, transcendentalism, Dickinson, Whitman, Twain, among others. Prerequisites: ENGL 31900. 3 credits. (IRR)
Distribution: HU,LA.

ENGL 47100 - Seminar in American Literature after 1890 (3)
Topics may include American modernism, the Harlem Renaissance, the postmodern memoir, James, Bishop, DeLillo, among others. Prerequisites: ENGL 32000. 3 credits. (IRR)
Distribution: HU,LA.

ENGL 48000 - Seminar in Literary Criticism (3)
Selected topics in the history and theory of literary criticism. Prerequisites: Four English courses; permission of instructor. 3 credits. (IRR)
Distribution: HU,LA.

ENGL 48200 - Twentieth Century Irish Poetry: Yeats and Heaney (3)
This seminar will be devoted to the poetic works of the two Irish poets who received the Nobel Prize in the 20th century. William Butler Yeats (1865-1939) will forever be associated with the violent birth of the modern Irish nation, especially as it is recounted in "Easter 1916," the poem commemorating the ill-fated rebellion that initiated Irish independence. Yeats, who sought in his poems "benefitting emblems of adversity," addressed the political cataclysms of Irish rebellion and subsequent civil war. Likewise, Seamus Heaney (b. 1939), whose career has paralleled the modern "troubles" of Northern Ireland, has said that he seeks "symbols adequate to our predicament," and his poetry has embodied the deep tensions of his divided society and a humane and complex response to those division. While there will be some time spent clarifying the political, historical, and religious context in which each of the poets wrote, the main focus of the seminar will be an intensive study of the poems themselves, with special attention paid to the ways in which Heaney has embraced and transformed Yeats’s earlier poetic version.
Distribution: HU,LA.

ENGL 49500 - Internship: English (1 to 12)
Allows students to combine literary study with on-site work experience under the guidance of a faculty supervisor. Internships require the approval of both the sponsoring agency and the faculty supervisor. Also available through the London Center. A maximum of 3 credits may be used to fulfill requirements for the English major or minor. Prerequisites: Four English courses; junior standing or above; permission of instructor. Variable credit. (IRR)
Distribution: NLA.

ENGL 49801 - Honors Project I (3)
First course in a two-semester sequence of independent work on an individual project arranged by a student with a particular faculty member. Research, writing, and discussion culminating in a 1-2-page abstract for an honors thesis, an extensive annotated bibliography, and a draft of an analytical chapter, all defended before a department honors committee. Prerequisite: permission of instructor. 3 credits. (F, Y)
Distribution: LA,UND.

ENGL 49802 - Honors Project II (3)
Second course in a two-semester sequence of independent work on an individual project arranged by a student with a particular faculty member. Research, writing, and discussion culminating in an honors thesis of approximately 50-80 pages, defended before a department honors committee. May not be used as elective credit in the English major. Prerequisite: ENGL 49801. 1-3 credits. (S, Y)
Distribution: LA,UND.
ENGL 49900 - Advanced Independent Study (3)
Special research on an individual project arranged by a student with a particular faculty member. Final paper will be based on research in both electronic and print sources. Offered on demand only. A maximum of three credits may be used to fulfill requirements for the English major or minor. Prerequisites: Four literature courses and junior standing. 3 credits. (IRR)
Distribution: LA,UND.

ENVS - Environmental Studies
ENVS 10100 - Environmental Seminar I (0.5)
Seminar course exposes students in the environmental studies or science program to environmentally relevant research, examples of careers in the environmental field, and opportunities to meet local and regional professionals. Pass/fail only. 0.5 credits. (F,Y)
Distribution: LA,NS.
ENVS 11000 - The Environmental Crisis: Causes and Solutions (3)
Course provides basic literacy to understand the current environmental crisis, covering such topics as energy, population growth, climate change, biodiversity loss, resource exploitation, food production, and toxics. Course also investigates potential solutions to minimize impact on the personal, regional, national, and international scales. 3 credits. (S,Y)
Distribution: 2A,LA,NS.
ENVS 11200 - Sustainability Principles and Practice (3)
This course is designed to introduce students to the history and principles of sustainability as a new approach to addressing complex societal and environmental issues. The class will use a broad definition of sustainability, considering ecological, social, economic, political issues, and community and individual health. These components will be examined using a systems perspective that stresses their interrelatedness. 3 credits. (F-S,Y)
Distribution: 1,2A,L.A,SS.
ENVS 12000 - Environmental Sentinels (4)
Field-based course that focuses on natural history, biodiversity, and development of the ability to perceive subtle changes in the environment. Primitive technology skills (friction fires, natural rope, medicinal plants, tracking, etc.) and field identification will be emphasized. Blending these skills and the approaches of deep wilderness awareness, students develop an ability to read land-use history and an appreciation for modern ecological science and natural resource management. Intended for environmental science and studies majors. 4 credits (F,Y).
Distribution: LA,NS.
ENVS 12100 - Environmental Science & Technology (4)
Focus on the scientific principles and technological advances fundamental to understanding human impact on the environment. Discussion of how human activities modify the environment and how technology contributes to, as well as reduces, this impact. Topics include applications of biotechnology to biodiversity loss, chemical and biological waste remediation, water treatment and purification, and renewable energy sources and technologies. An interdisciplinary approach focuses on the political, social, economic, and ethical aspects of environmental studies and science. Strong global perspective. Intended for environmental science and studies majors but open to others with a serious interest. 4 credits. (S,Y)
Distribution: 2A,LA,NS.
ENVS 13000 - Earth System Science I (4)
This course takes a whole-systems approach to develop an integrated understanding of the physical, chemical, biological, and human interactions that determine the past, current, and future states of the earth. Treating the earth as a system of interacting spheres, but particularly focusing on the geosphere (environmental geology), this course provides a physical basis for understanding the world in which we live and on which humankind seeks to achieve sustainability. Lecture/discussion: Three hours. Laboratory: Three hours. 4 credits. (F,Y)
Distribution: 2A,LA,NS.
ENVS 13100 - Earth System Science II (4)
Continuing with the whole-systems approach introduced in ENVS 13000, this course will explore more applied aspects of earth system science, including soil science, geo- and hydromorphology. Lecture/discussion: Three hours. Laboratory: Three hours. Prerequisite: ENVS 13000. 4 credits. (S,Y)
Distribution: LA,NS.
ENVS 20100 - Environmental Research: Introductory (1 to 3)
An introductory course for students who desire hands-on research in environmental studies projects but who have limited experience with research. Research will typically involve participation in continuing projects, though new, student-proposed projects may be possible if the instructor approves. Students will work closely with a faculty member to guide their study. May be repeated twice for a maximum of 6 credits. Prerequisites: Sophomore standing and permission of instructor. 1-3 credits (F-S)
Distribution: LA,UND.
ENVS 20200 - Topics in Sustainability (3 to 4)
An umbrella course with a different focus each semester. The course is integrative and allows students to experience
sustainability firsthand through field experiences and service projects at Ecovillage and the local community, linked to the study of core principles and strategies in different areas of community sustainability. The courses taught within this umbrella include sustainable land use, teaching sustainability, fostering sustainable communities, sustainable energy systems, urban sustainability, and the sustainability movement. May be repeated for a maximum of 12 credits. Prerequisites: Sophomore standing. 3-4 credits. (F-S)

Distribution: LA,NS,SS.

ENVS 20201 - Topics in Sustainability (3 to 4)
An umbrella course with a different focus each semester. The course is integrative and allows students to experience sustainability firsthand through field experiences and service projects at Ecovillage and the local community, linked to the study of core principles and strategies in different areas of community sustainability. The courses taught within this umbrella include sustainable land use, teaching sustainability, fostering sustainable communities, sustainable energy systems, urban sustainability, and the sustainability movement. May be repeated for a maximum of 12 credits. Prerequisites: Sophomore standing. 3-4 credits. (F-S)

Distribution: LA,NS,SS.

ENVS 20202 - Topics in Sustainability (3 to 4)
An umbrella course with a different focus each semester. The course is integrative and allows students to experience sustainability firsthand through field experiences and service projects at Ecovillage and the local community, linked to the study of core principles and strategies in different areas of community sustainability. The courses taught within this umbrella include sustainable land use, teaching sustainability, fostering sustainable communities, sustainable energy systems, urban sustainability, and the sustainability movement. May be repeated for a maximum of 12 credits. Prerequisites: Sophomore standing. 3-4 credits. (F-S)

Distribution: LA,NS,SS.

ENVS 20203 - Topics in Sustainability (3 to 4)
An umbrella course with a different focus each semester. The course is integrative and allows students to experience sustainability firsthand through field experiences and service projects at Ecovillage and the local community, linked to the study of core principles and strategies in different areas of community sustainability. The courses taught within this umbrella include sustainable land use, teaching sustainability, fostering sustainable communities, sustainable energy systems, urban sustainability, and the sustainability movement. May be repeated for a maximum of 12 credits. Prerequisites: Sophomore standing. 3-4 credits. (F-S)
ENVS 33300 - International Environmental Policy (3)

This course examines an environmental issue in depth (climate change, air pollution, fisheries, endangered species, human population, water management) and the international policy negotiations around that issue. Students will attend international environmental negotiation sessions; additional course fees apply for travel. Prerequisites: ENVS 12100 and junior standing. Lecture/discussion, may include a three-hour laboratory. 3-4 credits (IRR).

Distribution: LA,NS.

ENVS 34000 - Topics in Pollution (3 to 4)

Intermediate course with a different focus each semester. Topics may include environmental toxicology, environmental health and medicine, aquatic pollution, pollution remediation, hazardous waste, or pollution policy. May be repeated for maximum of 8 credits. Prerequisites: ENVS 12100 and junior standing. Lecture/discussion, may include a three-hour laboratory. 3-4 credits (IRR).

Distribution: LA,NS.

ENVS 34001 - Topics in Pollution (3 to 4)

Intermediate course with a different focus each semester. Topics may include environmental toxicology, environmental health and medicine, aquatic pollution, pollution remediation, hazardous waste, or pollution policy. May be repeated for maximum of 8 credits. Prerequisites: ENVS 12100 and junior standing. Lecture/discussion, may include a three-hour laboratory. 3-4 credits (IRR).

Distribution: LA,NS.

ENVS 34002 - Topics in Pollution (3 to 4)

Intermediate course with a different focus each semester. Topics may include environmental toxicology, environmental health and medicine, aquatic pollution, pollution remediation, hazardous waste, or pollution policy. May be repeated for maximum of 8 credits. Prerequisites: ENVS 12100 and junior standing. Lecture/discussion, may include a three-hour laboratory. 3-4 credits (IRR).

Distribution: LA,NS.

ENVS 35000 - Topics in Natural Resources and Ecology (3 to 4)

Intermediate course with a different focus each semester. Topics include ecological issues associated with practical conservation or management practices, such as ecosystem ecology, conservation biology, or biology of invasive species. This course may be repeated for credit when topics vary, for a maximum of 8 credits. Prerequisites: Three courses in environmental studies or biology. Lecture/discussion, may include a three-hour laboratory. 3-4 credits (IRR).

Distribution: LA,NS.

ENVS 32200 - Environmental Methods: Sampling, Surveying, Statistics and Analysis (4)

This course provides students with field-based, real-world applications of sampling, surveying, and statistical analysis techniques, with an emphasis on environmental problem-solving skills. This class covers both qualitative and quantitative analytical techniques. Lecture/discussion: Three hours. Laboratory: Three hours. Prerequisites: ENVS 12100 or ENVS 13000; ENVS 22000; MATH 14500, MATH 14400 or MATH 21600. 4 credits. (F,Y)

Distribution: LA,NS.

ENVS 33100 - Topics in Geography and Planning (3 to 4)

Intermediate course with a different focus each semester. Topics include demographics, city and regional planning, land use, and topography. May be repeated for maximum of 8 credits. Lecture/discussion, may include a three-hour laboratory. Prerequisite: ENVS 22000. 3-4 credits (IRR).

Distribution: LA,SS.

ENVS 33101 - Topics in Geography and Planning (3 to 4)

Intermediate course with a different focus each semester. Topics include demographics, city and regional planning, land use, and topography. May be repeated for maximum of 8 credits. Lecture/discussion, may include a three-hour laboratory. Prerequisite: ENVS 22000. 3-4 credits (IRR).

Distribution: LA,SS.

ENVS 33102 - Topics in Geography and Planning (3 to 4)

Intermediate course with a different focus each semester. Topics include demographics, city and regional planning, land use, and topography. May be repeated for maximum of 8 credits. Lecture/discussion, may include a three-hour laboratory. Prerequisite: ENVS 22000. 3-4 credits (IRR).

Distribution: LA,SS.

ENVS 33300 - International Environmental Policy (3)

This course examines an environmental issue in depth (climate change, air pollution, fisheries, endangered species, human population, water management) and the international policy negotiations around that issue. Students will attend international environmental negotiation sessions; additional course fees apply for travel. Prerequisites: ENVS 12100 and junior standing. Lecture/discussion, may include a three-hour laboratory. 3-4 credits (IRR).

Distribution: LA,NS.
ENVS 35001 - Topics in Natural Resources and Ecology (3 to 4)
Intermediate course with a different focus each semester. Topics include ecological issues associated with practical conservation or management practices, such as ecosystem ecology, conservation biology, or biology of invasive species. This course may be repeated for credit when topics vary, for a maximum of 8 credits. Prerequisites: Three courses in environmental studies or biology. Lecture/discussion, may include a three-hour laboratory. 3-4 credits (IRR)
Distribution: LA,NS.

ENVS 35002 - Topics in Natural Resources and Ecology (3 to 4)
Intermediate course with a different focus each semester. Topics include ecological issues associated with practical conservation or management practices, such as ecosystem ecology, conservation biology, or biology of invasive species. This course may be repeated for credit when topics vary, for a maximum of 8 credits. Prerequisites: Three courses in environmental studies or biology. Lecture/discussion, may include a three-hour laboratory. 3-4 credits (IRR)
Distribution: LA,NS.

ENVS 36000 - Topics in Environmental Humanities (3)
Intermediate course with a different focus each semester. Topics include literature, philosophy, art, mythology, history, landscape design, and architecture from around the world. By exploring the myriad ways human beings have viewed nature, students will gain a better grasp of why human-environment interactions are in crisis and what it means to be human in such a world. Prerequisites: Three humanities courses and sophomore standing. 3 credits. (IRR)
Distribution: HU,LA.

ENVS 36001 - Topics in Environmental Humanities (3)
Intermediate course with a different focus each semester. Topics include literature, philosophy, art, mythology, history, landscape design, and architecture from around the world. By exploring the myriad ways human beings have viewed nature, students will gain a better grasp of why human-environment interactions are in crisis and what it means to be human in such a world. Prerequisites: Three humanities courses and sophomore standing. 3 credits. (IRR)
Distribution: HU,LA.

ENVS 36002 - Topics in Environmental Humanities (3)
Intermediate course with a different focus each semester. Topics include literature, philosophy, art, mythology, history, landscape design, and architecture from around the world. By exploring the myriad ways human beings have viewed nature, students will gain a better grasp of why human-environment interactions are in crisis and what it means to be human in such a world. Prerequisites: Three humanities courses and sophomore standing. 3 credits. (IRR)
Distribution: HU,LA.

ENVS 37000 - Topics in Earth Science (3 to 4)
Intermediate course with a different focus each semester. Topics include hydrology, biogeochemistry, soil science, and agriculture. May be repeated for maximum of 8 credits. Lecture/discussion, may include a three-hour laboratory. Prerequisite: Three courses in environmental studies and sciences, biology, chemistry, or physics. 3-4 credits (IRR).
Distribution: LA,NS.

ENVS 37001 - Topics in Earth Science (3 to 4)
Intermediate course with a different focus each semester. Topics include hydrology, biogeochemistry, soil science, and agriculture. May be repeated for maximum of 8 credits. Lecture/discussion, may include a three-hour laboratory. Prerequisite: Three courses in environmental studies and sciences, biology, chemistry, or physics. 3-4 credits (IRR).
Distribution: LA,NS.

ENVS 37002 - Topics in Earth Science (3 to 4)
Intermediate course with a different focus each semester. Topics include hydrology, biogeochemistry, soil science, and agriculture. May be repeated for maximum of 8 credits. Lecture/discussion, may include a three-hour laboratory. Prerequisite: Three courses in environmental studies and sciences, biology, chemistry, or physics. 3-4 credits (IRR).
Distribution: LA,NS.

ENVS 38000 - Selected Topics in Field Studies (1 to 4)
Field study courses provide a multiday field trip to an off-campus ecosystem. Each field study course emphasizes a unique regional topic, and students become familiar with the major geological and ecological events as well as the human impact on sustainability of the natural ecosystem(s). Students also learn to identify the predominant flora and fauna of the area. Student projects are expected to show considerable independent effort, background information, analyses, and original synthesis. May be repeated for credit for field studies in different regions for a maximum three times or 12 credits. Prerequisites: A minimum of three courses in environmental studies or biology. 1-4 credits. (IRR)
Distribution: LA,NS.

ENVS 38001 - Selected Topics in Field Studies (1 to 4)
Field study courses provide a multiday field trip to an off-campus ecosystem. Each field study course emphasizes a unique regional topic, and students become familiar with the major geological and ecological events as well as the human impact on sustainability of the natural ecosystem(s). Students also learn to identify the predominant flora and fauna of the area. Student projects are expected to show considerable independent effort, background information, analyses, and original synthesis. May be repeated for credit for field studies in different regions for a maximum three times or 12 credits.

Prerequisites: A minimum of three courses in environmental studies or biology. 1-4 credits. (IRR)

Distribution: LA,NS.

ENVS 38002 - Selected Topics in Field Studies (1 to 4)

Field study courses provide a multiday field trip to an off-campus ecosystem. Each field study course emphasizes a unique regional topic, and students become familiar with the major geological and ecological events as well as the human impact on sustainability of the natural ecosystem(s). Students also learn to identify the predominant flora and fauna of the area. Student projects are expected to show considerable independent effort, background information, analyses, and original synthesis. May be repeated for credit for field studies in different regions for a maximum three times or 12 credits.

Prerequisites: A minimum of three courses in environmental studies or biology. 1-4 credits. (IRR)

Distribution: LA,NS.

ENVS 38003 - Selected Topics in Field Studies (1 to 4)

Field study courses provide a multiday field trip to an off-campus ecosystem. Each field study course emphasizes a unique regional topic, and students become familiar with the major geological and ecological events as well as the human impact on sustainability of the natural ecosystem(s). Students also learn to identify the predominant flora and fauna of the area. Student projects are expected to show considerable independent effort, background information, analyses, and original synthesis. May be repeated for credit for field studies in different regions for a maximum three times or 12 credits.

Prerequisites: A minimum of three courses in environmental studies or biology. 1-4 credits. (IRR)

Distribution: LA,NS.

ENVS 40100 - Environmental Seminar II (0.5)

Seminars, discussion, and readings in environmental studies and science. Required of environmental studies and environmental science majors. Prerequisites: Junior standing; environmental studies or environmental science major. Pass/fail only. 0.5 credits. (F, S)

Distribution: LA,NS.

ENVS 40200 - Environmental Research: Advanced (1 to 4)

For advanced students who desire hands-on research in issues relating to sustainability and the environment. Research can involve participation in continuing faculty research projects or in new, student-proposed projects. Students will work closely with a faculty member to guide their study. Prerequisites: ENVS 30100 and permission of instructor. 1-4 credits. May be repeated for a total of 8 credits. (F,S,Y)

Distribution: LA.

ENVS 45000 - Senior Research (3)

An integrative course that encourages majors to apply previously learned ideas and concepts to a specific area of environmental inquiry or a particular environmental problem under the direction of individual faculty members. All research teams will engage in a rigorous research agenda, drawing on methodologies from natural sciences, social sciences, and humanities. Open to environmental studies or environmental science majors only.

Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y)

Distribution: LA,UND.

ENVS 45100 - Capstone Discussion Group (1)

Discussion group for seniors in environmental studies and environmental science. Course focuses on summative reflection on educational and personal growth. Career preparation is also highlighted in the form of resume and cover letter assistance, networking, interviewing, and job searching. Prerequisite: ENVS 45000 (may be taken concurrently); senior standing. 1 credit (S,Y)

Distribution: LA,UND.

ENVS 49000 - Independent Study: Environmental Studies (1 to 4)

A reading program of materials of special interest to the student, undertaken under faculty direction. Prerequisites: Permission of instructor. 1-4 credits. (F-S,Y)

Distribution: LA,UND.

ENVS 49500 - Internship: Environmental Studies (1 to 12)

Permits students to explore environmental studies through a variety of work experiences. Students are expected to submit, as part of their course obligations, a thorough written evaluative report based on their experiences. Internships may be taken at national, state, and local levels, and in London under the auspices of the Ithaca College London Center. Prerequisites: Permission of instructor; completion of three-quarters of an environmental studies major or minor. 1-12 credits. (F-S,Y)

Distribution: NLA.

EXSS - Exercise and Sport Sciences

EXSS 12000 - Anatomy and Physiology I (4)
Develops a comprehensive understanding of the close interrelationship between anatomy and physiology as seen in the human organism. Covers the cells and tissues: epithelial, connective, muscle, and nerve. 4 credits. (F,Y)  
Distribution: LA,NS.

EXSS 12100 - Anatomy and Physiology II (4)  
Continuation of EXSS 12000. Covers the circulatory, endocrine, ventilatory, renal, digestive, and reproductive systems. Also reviews the muscular system from both a functional and a structural perspective. Prerequisites: EXSS 12000. 4 credits. (S,Y)  
Distribution: LA,NS.

EXSS 12400 - Emergency Care for the Health Professional (1)  
This course is designed to certify students in CPR/AED for the Professional Rescuer. Emphasis will be placed upon technique and execution of required skills. Basics of emergency injury care/first aid will be covered. Time for practice of common techniques will be included so that the students may develop and apply practical skill competencies. 1.0 credit. (F-S,B,Y)  
Distribution: NLA.

EXSS 16200 - Introduction to Fitness and Exercise Science (2)  
Places a basic understanding of physical fitness as it relates to health and disease. Emphasis is placed on safe, effective techniques for developing all components of health-related fitness. Skills presented help students become savvy consumers of exercise information. Discussion of the many and varied career opportunities in exercise science. 2 credits. (F-S, Y)  
Distribution: NLA.

EXSS 17300 - Fieldwork in Clinical Exercise Science I (1)  
Practical experience in hospital, corporate, clinical, and/or community settings. The objective is to observe closely the daily operations and special functions implemented in these settings and the practice of using exercise for prevention of or rehabilitation from disease. Prerequisites: Application to and permission of clinical exercise science (CES) coordinator. 1 credit. (Sum, Y)  
Distribution: NLA.

EXSS 20000 - Clinical Experience in Athletic Training I (1)  
Supervised practical experience in an athletic training setting at Ithaca College. A minimum of 60 clock-hours is required; students apply basic clinical skills taught in previous coursework. Clinical proficiencies emphasized include basic emergency care, protective taping and wrapping, injury evaluation, and basic therapy techniques. Prerequisites: EXSS 24700. Corequisites: EXSS 25100 and EXSS 25600. 1 credit. (S,Y)  
Distribution: NLA.

EXSS 20200 - Sport and Exercise Psychology (3)  
Introduction to the psychological factors that influence individual and group sport and exercise participation. Psychological skills training (PST) techniques used to enhance sport and exercise performance are presented. Topics include exercise and rehabilitation adherence, management of eating disorders and substance abuse, burnout and overtraining, self-confidence, goal setting, anxiety and stress management, concentration and attention control, imagery and visualization, group cohesion, sport and exercise leadership, motivation, and communication. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)  
Distribution: 1,LA,SS.

EXSS 22000 - Kinesiology (0 to 4)  
Examines the anatomical structures and mechanical aspects of human movement. Emphasis is placed on the functional anatomy of the musculoskeletal and articular systems. Pathologies of upper and lower extremities and trunk are examined for contributions to abnormal patterns of posture, movement, and locomotion. Basic neuromuscular and biomechanical principles are introduced. Laboratory exercises concentrate on the role of muscle and joint action during basic movements and the adaptations that can result from pathologic conditions. The focus is on individual joint function and the integrated function of several joints during complex activities such as normal human locomotion. Corequisites: EXSS 12100. 4 credits. (F-S,Y)  
Distribution: LA,NS.

EXSS 22100 - Biomechanics of Human Movement (0 to 3)  
The study of biological and mechanical factors that affect humans as they move in exercise and sport. Kinematic and kinetic descriptions of selected motor skills receive careful consideration. Hands-on experiences through cinematographic analyses of human movements are provided. Prerequisites: EXSS 22000. Not open to students who have taken or are currently taking PHYS 10100 Introduction to Physics or PHYS 11700 Principles of Physics 3 credits. (F,Y)  
Distribution: LA.

EXSS 24600 - Prevention and Care of Athletic Injuries (3)  
Introduction to basic concepts in athletic training, with emphasis on anatomical bases and mechanisms of common athletic injuries. Basics of injury prevention, recognition, and initial care are covered. Laboratory time for practice of common taping and wrapping techniques is included so that students may develop these practical skills. Prerequisites: EXSS 12000. 3 credits. (F-S,Y)  
Distribution: NLA.
EXSS 24700 - Advanced Prevention and Care of Athletic Injuries and Illnesses (3)

Expands upon and adds to the material in EXSS 24600, with more detailed information regarding athletic trauma and illness. Emphasis is placed on injury evaluation, proper initial management, common pathologies, and management rationale. Prerequisites: EXSS 24600. 3 credits. (F-S,Y)

Distribution: NLA.

EXSS 25000 - Athletic Training Techniques I (1)

Lecture-laboratory course to develop and refine taping and wrapping skills. Prerequisites: EXSS 24600; EXSS 24700 (may be taken concurrently); sophomore standing. 1 credit. (F,Y)

Distribution: NLA.

EXSS 25100 - Athletic Training Techniques II (1)

Lecture-laboratory course to develop and refine orthopedic evaluation skills specific to the assessment and evaluation of athletic injuries. Prerequisites: EXSS 24700; sophomore standing. Corequisites: EXSS 25600. 1 credit. (S,Y)

Distribution: NLA.

EXSS 25600 - Athletic Injury Assessment (3)

Assessment procedures and factors related to the evaluation of athletic injuries. Emphasis is placed on anatomical bases and mechanisms of athletic injuries to the upper and lower extremities and to the head and axial regions. Time for practice is included so that students may develop essential practical skills. Prerequisites: EXSS 24600; EXSS 24700 (may be taken concurrently). 3 credits. (S,Y)

Distribution: NLA.

EXSS 26000 - Principles of Fitness Evaluation and Prescription (0 to 4)

Develops the rationale for and the skills to evaluate and prescribe health-related fitness programs for individuals in a variety of settings. The class includes lectures, demonstrations, and practical laboratories. This course is intended to help prepare the student to sit for a number of national certification examinations. Prerequisites: EXSS 12100. 4 credits. (F,Y)

Distribution: NLA.

EXSS 26300 - Exercise Techniques (2)

Provides each student with both classroom and practical learning experience designed to develop the skills needed to be a competent exercise instructor - leader. The course allows students to put into practice their knowledge of exercise from their previous coursework in biomechanics, exercise physiology, and conditioning for performance and health. Students will be involved in group-centered instruction, field observation, laboratory experiences and skill execution practicals. Prerequisites: EXSS 26200. 2 credits. (F-S, Y)

Distribution: NLA.

EXSS 27300 - Community Service in Exercise and Sport Sciences (1)

Volunteer work in the community. This experience emphasizes donating time to promote community well-being, using skills developed in exercise and sport sciences programs. Examples include working at health fairs, checking blood pressure, measuring body composition, and determining blood lipid profiles. Pass/fail only. Prerequisites: EXSS 26200; permission of the instructor. 1 credit. (F-S,Y)

Distribution: NLA.

EXSS 29900 - Psychology of Coaching (3)

Designed to expose the student to the varied psychological factors that influence effective coach-athlete interactions. Through lecture, small group, workshop, and larger group cooperative learning formats, students will learn and develop specific psychological skills training (PST) principles and strategies that can be used in their various coaching roles. Students will develop practical hands-on (applied) strategies for creating practice and competitive environments that foster greater athlete success and team goal attainment. Prerequisites: EXSS 20200. 3 credits. (S,Y)

Distribution: LA,NS.

EXSS 30000 - Clinical Experience in Athletic Training II (1)

Supervised practical experience in an athletic training setting at Ithaca College or an affiliated site. A minimum of 60 clock-hours is required. Clinical proficiencies emphasized include basic injury assessment, record keeping, and more advanced therapy techniques. Students must be athletic training/exercise science majors. Prerequisites: EXSS 20000. Corequisites: EXSS 34000 and EXSS 35000. 1 credit. (F,Y)

Distribution: NLA.

EXSS 30100 - Clinical Experience in Athletic Training III (1)

Supervised practical experience in an athletic training setting at Ithaca College or an affiliated site. A minimum of 60 clock-hours is required. Clinical proficiencies emphasized include basic therapeutic exercise techniques and advanced modality use. Students must be athletic training/exercise science majors. Prerequisites: EXSS 30000. Corequisites: EXSS 34200 and EXSS 35100. 1 credit. (S,Y)

Distribution: NLA.

EXSS 32000 - Neuromuscular Control (3)
Study of sensorimotor and musculoskeletal systems involved in producing coordinated and purposeful movements. Injury, training, practice, learning, and other cognitive-emotional processes are examined as they affect the neuromuscular control of finely coordinated skills and vigorous physical performance. Emphasis is placed on understanding the relevant neurophysiological mechanisms and determining how these mechanisms can be exploited to maximize performance, wellness, and rehabilitation ease. Exploration of theories of motor control, from the general motor program to the dynamic system theory. Lecture and laboratory. Prerequisites: EXSS 22000, PTBS 31300, PTBS 40100, or OTBS 31000; junior standing. 3 credits. (F,Y)

Distribution: NLA.

EXSS 32100 - Exercise Physiology (0 to 4)
Examines physiological changes during exercise, after exercise, and during a training period. Also considers efficiency, needs, and limitations of body systems, and their interrelationships. Lecture, demonstration, and laboratory. Prerequisites: EXSS 12100; junior standing. 4 credits. (F-S,Y)

Distribution: LA,NS.

EXSS 33000 - Motivation and Communication in Exercise and Sport (3)
Designed to provide an in-depth study of both motivation and communication and examine the impact each has on personal performance and experience in sport and exercise. Emphasis will be placed on understanding various motivational approaches, developing individual and team motivational strategies, overcoming motivational myths, using appropriate feedback and reinforcement, enhancing coach-athlete and coach-coach communications, learning active listening and verbal and nonverbal communication skills, promoting constructive criticism and confrontations, and preventing communication barriers in sport and exercise. Prerequisites: EXSS 20200. 3 credits. (F,Y)

Distribution: LA,NS.

EXSS 34000 - Therapeutic Modalities in Athletic Training (3)
Contemporary therapeutic modalities used in managing athletic injuries. Modalities covered are classified as thermal agents, electrical agents, or mechanical agents. Emphasis is placed on their physiological effects, therapeutic indications and contraindications, and clinical application. Prerequisites: EXSS 25600. 3 credits. (F,Y)

Distribution: NLA.

EXSS 34200 - Therapeutic Exercise in Athletic Training (3)
Basic principles of therapeutic exercise to develop, maintain, and/or improve components of physical fitness. Emphasis is placed on these principles as well as on specific exercise programs for rehabilitation of major athletic injuries. Prerequisites: EXSS 34000. 3 credits. (S,Y)

Distribution: NLA.

EXSS 34900 - Fieldwork in Exercise and Sport Sciences (1 to 6)
Practical experience in corporate or clinical settings, amateur and professional sport agencies, and community organizations. Focus is on observation, guided learning, and supervised practical experiences. Prerequisites: Exercise and sport sciences major or minor; junior standing or above; permission of department chair. 1-6 credits. (F-S,Y)

Distribution: NLA.

EXSS 35000 - Athletic Training Techniques III (1)
Lecture-laboratory course to develop and refine essential skills related to therapeutic modalities. Prerequisites: EXSS 25600; junior standing. Corequisites: EXSS 34000. 1 credit. (F,Y)

Distribution: NLA.

EXSS 35100 - Athletic Training Techniques IV (1)
Lecture-laboratory course to develop and refine essential skills related to therapeutic exercise in athletic training. Prerequisites: EXSS 25600; junior standing. Corequisites: EXSS 34200. 1 credit. (S,Y)

Distribution: NLA.

EXSS 36000 - Medical Science I (3)
A detailed review of human diseases based on an organ-system approach. Emphasis will be placed on common diseases that are pertinent to anyone studying a health-related field. Pharmacological considerations will be highlighted and guest speakers representing various health care professions will be utilized. Prerequisites: Junior standing. 3 credits. (F,Y)

Distribution: NLA.

EXSS 36100 - Medical Science II (2)
In-depth study of the etiology, process, treatment, and pharmacology of diseases of the human body according to body systems. Emphasis is placed on endocrine disorders, reproduction and pregnancy-related disorders, and urological disorders. Note: EXSS 36100 may be taken before EXSS 36000. Prerequisites: Junior standing. 3 credits. (S,Y)

Distribution: NLA.

EXSS 36400 - Complementary and Alternative Therapies (3)
Survey of complementary and nontraditional wellness and therapeutic modalities. Emphasis is placed on bodywork
and mind-body interventions, including somatics, biofield therapeutics, and energy medicine. Alternative systems and philosophies of medical practice, the nature of practitioners, and dietary supplements are also covered. Scientific and nonscientific rationales for modalities are critically examined. Prerequisites: Junior standing or above; one course in human biology or physiology (Biol 10800, Biol 11500, Biol 11900, Biol 12100, Biol 20500, or EXSS 12000); one course in psychology (PSYC xxxxx). 3 credits. (F,O)

Distribution: LA.

EXSS 36500 - Internship in Athletic Training I (1 to 4)
Provides a supervised clinical experience opportunity for junior AT majors. Relevant clinical experiences must include exposure to upper extremity, lower extremity, and equipment intensive experiences of both genders. A minimum of 60 experiential hours per credit is required. Each student is required to take four credits of this course obtaining a minimum of 240 practical hours, and a minimum of 120 of these hours must be attained under the supervision of an approved clinical instructor. These clinical experiences must be approved by the athletic training clinical coordinator prior to registration. May be repeated up to four credits. Prerequisite: Athletic training major, Junior standing. 1-4 credits. (F-S, Su, Y)

Distribution: NLA.

EXSS 37300 - Fieldwork in Clinical Exercise Science II (1)
Practical experience in hospital, corporate, clinical, and/or community settings. The objective is to observe closely and have some supervised experiences in the daily operations and special functions involved in using exercise for prevention of or rehabilitation from disease. A clear focus for internship planning should be developed during this fieldwork. May be repeated once for credit. Prerequisites: Junior standing; EXSS 26200; application to and permission of the clinical exercise science (CES) coordinator. 1 credit. (Sum,Y)

Distribution: NLA.

EXSS 37500 - Research Methods in Exercise and Sport Sciences (3)
Examination of the investigative methods used in exercise and sport sciences research. Design of experiments and application of statistical techniques for several types of research are explored. Includes proposal preparation for an original research project. Prerequisites: COMP 11000; MATH 14400, MATH 14500, MATH 15500, or PSYC 20700; junior standing. 3 credits. (S,Y)

Distribution: 1,2B,LA.

EXSS 39900 - Selected Topics in Exercise and Sport Sciences (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: LA,NLA.

EXSS 39901 - Selected Topics in Exercise and Sport Sciences (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: LA,NLA.

EXSS 40000 - Clinical Experience in Athletic Training IV (1)
Supervised practical experience in an athletic training setting at Ithaca College or an affiliated site. A minimum of 60 clock-hours is required. Clinical skills emphasized include advanced therapeutic exercise techniques, therapeutic exercise protocols for major joints, and pre-event management. Prerequisites: EXSS 30100; athletic training/exercise science major. 1 credit. (F,Y)

Distribution: NLA.

EXSS 40100 - Clinical Experience in Athletic Training V (1)
Supervised practical experience in an athletic training setting at Ithaca College or an affiliated site. A minimum of 60 clock-hours is required, and clinical proficiencies emphasized include presentation of season-ending injury reports as well as case histories. Students must be athletic training/exercise science majors. Prerequisites: EXSS 40000. 1 credit. (S,Y)

Distribution: NLA.

EXSS 40400 - Leadership and Team Building in Exercise and Sport (3)
Designed to provide an in-depth study of the principles and applied strategies that influence effective leadership and the building of productive teams. Emphasis is placed on developing high-performing teams through the effective use of individual, team, and corporate sport leadership. Topics include the assessment, training, and implementation of leadership qualities, skills, and "laws" that promote the proper development of leaders and teams. Theoretical foundations will be discussed for situational, transformational, charismatic, and servant leadership as each relates to the building of championship teams. Information is provided via small groups, lectures, role-playings, and student-taught workshop (cooperative learning) formats. Prerequisites: EXSS 33000. 3 credits. (S,Y)

Distribution: LA,NS.
EXSS 40500 - Applied Techniques in Sport Psychology (3)
An in-depth examination of sport psychology techniques and their application to sport performance. Particular attention will be given to the synthesis and application of various mental training techniques to youth and team sport settings. Techniques include motivation, teamwork, communication, goal setting, anxiety/arousal control, imagery, positive self-talk, leadership, and mental toughness. Topics include gaining entry, confidentiality, and providing consultation in youth and team sport settings. Prerequisites: EXSS 33000, 3 credits. (F,Y)
Distribution: NLA.

EXSS 42000 - Advanced Biomechanics of Human Movement (0 to 4)
An in-depth exploration of the biomechanics of human motion, focusing on the concepts and skills needed to perform and interpret biomechanical analyses of a variety of human movements. Topics will include anthropometry, kinematics, kinetics, and mechanical work, energy, and power. Select human movement skills from sport, clinical, and occupation settings will be examined in lecture and during hands-on laboratory experiences. Prerequisites: EXSS 22000; EXSS 22100, or PHYS 10100, or PHYS 11700 with C- or better; and EXSS 32100. 4 credits. (S,Y)
Distribution: 1,LA,NS.

EXSS 42100 - Advanced Study in Exercise Physiology (3)
An extension of EXSS 32100 Exercise Physiology that goes into greater depth on the physiological mechanisms that regulate the body's responses and adaptations to exercise. Special physiological considerations of gender, development and aging, obesity, pregnancy, and environmental stress (e.g., altitude, pollution, extreme temperature) are emphasized. Popular pharmaceutical and dietary manipulations used to enhance exercise performance are discussed. Experimental research in exercise physiology is introduced, and limited laboratory experiences are scheduled during class time. Prerequisites: EXSS 32100. 3 credits. (F-S,Y)
Distribution: 1,LA,NS.

EXSS 42200 - Exercise and Rehabilitation Psychology (3)
Discussion of the psychological antecedents of exercise, including barriers and adherence to exercise or rehabilitation regimens. Particular attention will also be given to wellness, stress, the biobehavioral basis of coronary heart disease and other illnesses, and the psychodynamics of rehabilitative medicine. Prerequisites: EXSS 20200; EXSS 32100 or EXSS 34200; Junior standing. 3 credits. (F, Y)
Distribution: 1,LA,SS.

EXSS 43000 - Seminar in Athletic Training (3)
Seminar for senior students majoring in athletic training, intended to expand and reinforce learning that has taken place in previous core courses. Major topics include contemporary issues, athletic training administration, budget management, facility design, protective equipment, injury evaluation, modality operation, and treatment and rehabilitation programs. Prerequisites: EXSS 25600; senior standing in athletic training/exercise science. 3 credits. (F-S,Y)

Distribution: NLA.

EXSS 43100 - Medical Aspects of Athletics (1)
A course to familiarize athletic training/exercise science majors with medical illnesses and nonorthopedic problems that affect athletes. Prerequisites: Senior standing in athletic training/exercise science. 1 credit. (S,Y)

Distribution: NLA.

EXSS 43200 - Orthopedic Perspectives on the Shoulder and the Knee (1)
The orthopedic examination of the shoulder and knee, including the orthopedic decision-making process for shoulder and knee disorders. Various procedures and the rationale for rehabilitation protocols are addressed. Provides hands-on experience in laboratory sessions. Pass/fail only. Prerequisites: Senior standing in athletic training/exercise science. 1 credit. (S,Y)

Distribution: NLA.

EXSS 43600 - Sport and Exercise Counseling (3)
An introduction to the sport counseling process and to the various performance issues related to counseling student-athletes. Students will develop a strong base of knowledge related to the counseling process and will have multiple opportunities to practice counseling skills in role-playing and small group formats. Topics include the need for counseling, stereotypes and biases, the counseling process, attending and listening, empathy, helping athletes tell their stories, brief counseling, and various topics and concerns that arise when counseling student-athletes from different populations. The course will be taught via lecture, large- and small-group discussions, role-playing, and modeling. Prerequisites: EXSS 33000, senior standing. 3 credits. (S,Y)

Distribution: LA.

EXSS 44700 - Pathophysiology, Limited Capacity and Exercise (3)
Study of the pathophysiology of disease or disabling states, the assessment of exercise potential, and the special considerations for prescription of exercise in these cases. Special emphasis is placed on discussion of phase I and phase II cardiac rehabilitation, diabetic patients, pulmonary disease, and working with older adults with limited functional capacity. Additional special populations are
discussed as time permits. Material is geared to the learning objectives of the American College of Sports Medicine’s exercise specialist certification. Prerequisites: EXSS 24600; EXSS 26200; EXSS 32100. 3 credits. (S,Y)

Distribution: NLA.

EXSS 45000 - Independent Study in Exercise and Sport Sciences (.5 to 3)

Individual study program for the investigation of special issues or topics in the field of exercise or sport science that have such breadth of cultural or psychological material, such rigor and depth of theoretic structure, or such play of broad intellectual and aesthetic themes as to be classified as liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Exercise and Sport Sciences; permission of department chair. 1-3 credits. (F-S,Y)

Distribution: LA.

EXSS 45100 - Independent Study in Exercise and Sport Sciences (1 to 3)

Independent study program for the investigation of special issues or topics in the field of exercise or sport science that are so professional, practical, or applied in nature that they cannot be classified as liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Exercise and Sport Sciences; permission of department chair. 1-3 credits. (F-S,Y)

Distribution: NLA.

EXSS 45500 - Cardiopulmonary Assessment for Exercise Leadership (3)

Addresses techniques for assessment of cardiovascular and pulmonary disease. Emphasis is placed on developing skill in electrocardiography, graded exercise testing, and the assessment of maximal functional capacity. Utilizes diagnostic assessments in the development of appropriate exercise prescriptions. Material is geared to meet learning objectives of outside certifying agencies. Prerequisites: EXSS 26200; EXSS 32100. 3 credits. (F, Y)

Distribution: NLA.

EXSS 46000 - Internship in Exercise and Sport Sciences (6 to 12)

Supervised work experience in corporate or clinical exercise settings, amateur and professional sport agencies, and community sport organizations. Student assumes a leadership role in various job-related activities and performs administrative tasks in support of such activities under an experienced agency supervisor and faculty sponsor. Prerequisites: EXSS 34900; permission of department chair. 6-12 credits. (F-S,Y)

Distribution: NLA.

EXSS 46200 - Internship in Athletic Training II (1 to 4)

Supervised practical experience in the Ithaca College wellness clinic while developing their exercise leadership skills. Prerequisites: EXSS26300; MGMT20600; and junior standing. 2 credits. (S,Y)

Distribution: NLA.

EXSS 46300 - Cardiopulmonary Assessment for Exercise Principles (3)

Provides a supervised clinical experience opportunity for junior AT majors. Relevant clinical experiences must include exposure to upper extremity, lower extremity, and equipment intensive, and general medical experiences of both genders. A minimum of 60 experiential hours per credit is required. Each student is required to take four credits of this course obtaining a minimum of 240 practical hours, and a minimum of 120 of these hours must be attained under the supervision of an approved clinical instructor. These clinical experiences must be approved by the athletic training clinical coordinator prior to registration. May be repeated up to four credits. Prerequisite: EXSS 36500, senior standing. 1-4 credits. (F-S, Su, Y)

Distribution: NLA.

EXSS 46400 - Internship in Exercise and Sport Sciences (6 to 12)

Supervised work experience in corporate or clinical exercise settings, amateur and professional sport agencies, and community sport organizations. Student assumes a leadership role in various job-related activities and performs administrative tasks in support of such activities under an experienced agency supervisor and faculty sponsor. Prerequisites: EXSS 34900; permission of department chair. 6-12 credits. (F-S,Y)

Distribution: NLA.

EXSS 46500 - Cardiopulmonary Assessment for Exercise Principles (3)

Provides a supervised clinical experience opportunity for junior AT majors. Relevant clinical experiences must include exposure to upper extremity, lower extremity, and equipment intensive, and general medical experiences of both genders. A minimum of 60 experiential hours per credit is required. Each student is required to take four credits of this course obtaining a minimum of 240 practical hours, and a minimum of 120 of these hours must be attained under the supervision of an approved clinical instructor. These clinical experiences must be approved by the athletic training clinical coordinator prior to registration. May be repeated up to four credits. Prerequisite: EXSS 36500, senior standing. 1-4 credits. (F-S, Su, Y)

Distribution: NLA.

EXSS 46600 - Practicum in Fitness Leadership (1)

Supervised practical experience in the Ithaca College Wellness Clinic. A minimum of 60 clock-hours is required. Clinical proficiencies will include fitness evaluations, graded exercise testing, designing exercise programs, supervising exercise sessions, disseminating educational information, counseling clients, and administrative tasks. Prerequisites: EXSS 46200, EXSS 46300, and EXSS 46400. 1 credit. (F-S,Y)

Distribution: NLA.
EXSS 46800 - Fieldwork in Athletic Training (1 to 6)

Provides an opportunity for seniors to engage in a meaningful off-campus experience in a field setting related to athletic training, sports medicine, or health care. Attempts will be made to consider special interests. Prerequisites: EXSS 24700; EXSS 25600; EXSS 33700; permission of the National Athletic Trainers' Association program director. 1-6 credits. (F-S,Y)

Distribution: NLA.

EXSS 47300 - Internship: Preventative Clinical Exercise Science (6 to 12)

A practical learning experience in a setting using exercise for disease prevention or athletic performance enhancement. Sites for these internships include corporate fitness centers, wellness clinics, and community-based health clubs, where a primarily healthy clientele is seen. Students are involved with the daily operation of the agency. Prerequisites: EXSS 46300; a minimum cumulative GPA of 2.50 with a minimum of 2.75 in specific major requirements; permission of the clinical exercise science coordinator. 6-12 credits. (F-S,Y)

Distribution: NLA.

EXSS 47400 - Internship: Rehabilitative Clinical Exercise Science (6 to 12)

A practical learning experience in a setting using exercise for rehabilitative purposes. Sites such as hospitals and clinics, which have a primarily limited-capacity clientele with existing disease are typical. Students become involved with the day-to-day operation of the agency. Prerequisites: EXSS 46400; a minimum cumulative GPA of 2.75 with a minimum of 3.00 in specific major requirements; permission of the clinical exercise science coordinator. 6-12 credits. (F-S,Y)

Distribution: NLA.

EXSS 47500 - Research Team: Exercise and Sport Sciences (1 to 4)

Capstone research experience involving data collection, synthesis, analyses, and interpretation. Planned in consultation with faculty and submitted for approval by a sponsoring faculty member and the department chair. Implemented under the supervision of the faculty sponsor. Available only to students meeting the department's academic standards for independent study. Prerequisites: EXSS 37500; permission of instructor. 1-3 credits. (IRR)

Distribution: LA,UND.

FINA - Finance

FINA 10000 - First Year Trading Room Seminar (1.5)

A minicourse in investment finance designed to introduce students to the resources available in the Trading Room. Students will learn the fundamentals of investing and how to retrieve and analyze data using Stock Val and Thomson One database and software. This course is offered in blocks I and II. Prerequisites: BINT 10100 or MGMT 11100; not open to students with junior or senior standing. 1.5 credits. (S,Y)

Distribution: NLA.

FINA 10300 - Minicourses in Finance (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

FINA 10301 - Minicourses in Finance (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

FINA 10302 - Minicourses in Finance (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

FINA 10303 - Minicourses in Finance (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

FINA 20300 - Financial Markets and Institutions (3)

A broad introduction to the structure and operation of the U.S. financial system through examination of the major financial institutions, markets, and instruments that compose it. Emphasis is on the functions and interrelationships of these elements and on identifying various government institutions and regulations overseeing the system. Prerequisites: ECON 12100; sophomore standing. 3 credits. (S,Y)

Distribution: NLA.

FINA 21000 - Personal Financial Planning and Wealth Management (3)
The main goal of this course is to provide students with a foundation needed to make important decisions that affect their short- and long-term financial well-being. Students will learn the basic concepts and their applications through interactive web-based tools and financial planning software. Prerequisites: BINT 10100 or MGMT 11100; 3 credits. NLA (Y)

Distribution: NLA.

FINA 31100 - Business Finance (3)
Foundations of financial theory and techniques of financial decision making; time value of money; bond and stock valuation; ratio analysis; financing decisions; capital budgeting; cost of capital; capital structure; risk and return; dividend policy; operating and financial leverage; working capital management. Written assignments will be required. Prerequisites: MATH 10700, 10800, or 11100; ECON 12100 and 12200; MATH 14400 or PSYC 20700; ACCT 22500; junior standing. 3 credits. (F-S-Y)

Distribution: NLA.

FINA 31500 - Real Estate Finance (3)
Financing of residential properties (types of loans, underwriting, appraisal, and closing; analysis of income-producing properties), cash-flow identification, tax implications, leverage, and valuation, real estate investment performance, sources of real-estate funding, secondary mortgage markets, and the role of government policies. Prerequisites: FINA 31100; junior standing. 3 credits. (IRR)

Distribution: NLA.

FINA 31700 - Insurance and Risk Management (3)
Study of risk and the risk management process with a major focus on insurance as a risk management tool. Legal principles, institutional aspects, and international issues. Business and personal risk management and government insurance. Corequisites: FINA 31100; junior standing. 3 credits. (IRR)

Distribution: NLA.

FINA 32100 - Security Analysis and Portfolio Management (3)
In-depth study of the techniques used to analyze securities and portfolios. Risk and return trade-off; asset allocation; portfolio selection; diversification; capital asset pricing model; efficient market hypothesis; fixed income securities and equity valuation models; duration; derivative assets. Prerequisites: FINA 31100; junior standing. 3 credits. (F-S-Y)

Distribution: NLA.

FINA 37000 - International Finance (3)
Study of the conceptual and practical aspects of international financial markets, exchange rate determination, and exchange rate risk exposure and management. Concentration on working capital management and international capital budgeting strategy. Students develop an understanding of the dynamic relationship between exchange rates and fundamental economic variables. Prerequisites: FINA 31100; junior standing. 3 credits. (S-Y)

Distribution: NLA.

FINA 39700 - Selected Topics: Finance (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

FINA 39800 - Field Experience: Finance (0)
Off-campus experience requiring a minimum of 35 hours of work in an organization, designed to give students practical work experience in their field of specialization. Students should contact the internship coordinator for registration information and application. Prerequisites: FINA 31100; junior standing. (P/F only). 0 credit (IRR)

Distribution: NLA.

FINA 41500 - Financial Pla...
hedging strategies based on futures. Prerequisites: FINA 31100; FINA 32100; junior standing. 3 credits. (IRR)

Distribution: NLA.

FINA 47000 - Financial Analysis and Forecasting (3)
An advanced finance elective that examines applied financial research and analysis in great depth. Topics covered include advanced financial analysis including ratio analysis, valuation methods, discount rates, as well as econometric techniques applied to financial research and forecasting. TSP, an econometric software, is used in some homeworks and project. Prerequisites: FINA 32100; senior standing. 3 credits (IRR)

Distribution: NLA.

FINA 48000 - Cases in Financial Management (3)
A capstone course in finance that combines theories of financial management with practical application through case analysis. Financial theories with respect to risks and returns, capital structure and cost of capital, optimal capital budget, short- and long-term financing decisions, and other topics concerning multinational financial management. Students are required to write and present analyses of cases in the class. Prerequisites: FINA 31100; FINA 32100; senior standing. 3 credits. (S,Y)

Distribution: NLA.

FINA 49000 - Real-Time Portfolio Management I (3)
First in a two-course sequence with the primary purpose of educating students in the real activities of investments, managing the Ithaca Real-Time Fund, over two semesters. These activities, reflecting the professional world of the real money managers, consist of investment decision making, initiation and execution of trades, portfolio formation and risk management, and assessment of position and performance evaluation. Students will be invited to apply for registration into the course and get selected based on the rigorous criteria articulated in the application form. Prerequisites: FINA-32100 (grade of B or above) and permission of the instructor. 3 credits. (F-Y)

Distribution: NLA.

FINA 49100 - Real-Time Portfolio Management II (3)
As the continuation of FINA 49000 Real Time Portfolio Management I, this course further educates students in real activities of investment decision, initiation and execution of trades, portfolio formation, risk management, assessment of position, and performance evaluation while managing the Ithaca Real-Time Fund. Prerequisites: FINA 49000 with grade of B or better, permission of the instructor. 3 credits. (S-Y)

Distribution: NLA.

FINA 49700 - Selected Topics in Finance (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA,UND.

FINA 49701 - Selected Topics in Finance (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

FINA 49702 - Selected Topics in Finance (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

FINA 49800 - Internship with Academic Enhancement (3)
Off-campus experience involving varied, nonroutine work projects designed to allow students to synthesize academic theory with real-world operations of an organization. Primary responsibility is on the student to develop a project proposal and then carry out its requirements in conjunction with a faculty sponsor. Internship credit falls under the business elective category in the degree requirements. A maximum of 6 credits may be earned in any combination of internship (ACCT/FINA/INTB/MGMT/MKTG/MGMT 49800) and GBUS 39800. Prerequisites: Senior standing; completion of appropriate principles course; a minimum cumulative GPA of 2.70; Business-Link Professions Themes I, II & III; completion of School of Business internship application and permission of instructor. Pass/fail only. 3 credits. (F, S, SUM, W)

Distribution: NLA.

FINA 49900 - Independent Study: Finance (1 to 3)
A variable amount of credit may be earned toward the degree. To qualify, students must have a 3.00 cumulative grade point average and must have completed at least 6 credits in the subject matter. Guidelines are available at the School of Business office. 1-3 credits. (F-S,Y)

Distribution: NLA.

FREN - French

FREN 10100 - Elementary French I (0 to 3)
Beginning course. Practice in understanding, speaking, reading, and writing simple idiomatic French in the context of French and francophone cultures. Emphasizes participation and self-expression. Open to students with no previous French, or by placement examination. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

FREN 10200 - Elementary French II (0 to 3)
Continuation of FREN 10100. Limited to students who have successfully completed FREN 10100 with a grade of C- or better, or by placement examination. Prerequisites: FREN 10100, or equivalent. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

FREN 10400 - Intensive Elementary French (0 to 3)
An accelerated introductory-level course for students who have previously studied French. The course prepares students for FREN 20100 by reviewing material covered in FREN 10100 and presenting FREN 10200 content. Students may not receive credit for both FREN 10400 and FREN 10100 or FREN 10200. By placement only. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

FREN 20100 - Intermediate French I (3)
Develops intermediate-level proficiency in speaking, listening, reading, and writing French. Special emphasis is given to French culture. Prerequisites: FREN 10200 with a grade of C- or better. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

FREN 20200 - Intermediate French II (3)
Continuation of FREN 20100. Develops intermediate-level proficiency in speaking, listening, reading, and writing French. Special emphasis is given to French culture. Prerequisites: FREN 20100 with a grade of C- or better. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

FREN 20300 - French Intermediate Conversation (1)
An optional conversation course for students enrolled in FREN 20100 and FREN 20200 who want to maximize their conversational skills. May be repeated for a total of 2 credits. Does not count towards major or minor. Corequisites: FREN 20100 or FREN 20200. 1 credit. (F-S,Y)
Distribution: HU,LA.

FREN 29900 - Independent Study: French (1 to 3)
Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: Permission of instructor and chairperson. 1-3 credits. (IRR)
Distribution: 1,G,H,LA.

FREN 30100 - Spoken and Written Communication (3)
Developing spoken and written communication skills at the third-year level. Reading and discussion of contemporary material. Prerequisites: FREN 20200 with a grade of C- or better, or equivalent. 3 credits. (F-S,Y)
Distribution: LA,UND.

FREN 31200 - French Literature in Translation (3)
Study of the principal works of major French writers. Readings and all class activities are in English. Prerequisites: Three courses in the humanities and/or fine arts. 3 credits. (IRR)
Distribution: 3A,G,HU,LA.

FREN 31300 - Introduction to French Literature (3)
A study of representative texts in French literature in all genres. Prerequisites: FREN 30100 (may be taken concurrently). 3 credits. (IRR)
Distribution: 3A,G,HU,LA.

FREN 32200 - Advanced French Grammar and Composition (3)
Advanced study of French grammar, with an emphasis placed on composition, including register, genres, and style. Prerequisites: FREN 30100 (or equivalent with permission of instructor). 3 credits. (IRR)
Distribution: 3A,G,HU,LA.

FREN 32300 - French Phonetics (3)
Intensive practical phonetics for American speakers of French. Emphasis is placed on correct pronunciation, orthography, and understanding of contemporary dialects. Prerequisites: FREN 30100. 3 credits. (IRR)
Distribution: HU,LA.

FREN 34200 - Conversational French (3)
An advanced course in conversation and discussion of contemporary events. Prerequisites: FREN 30100. 3 credits. (IRR)
Distribution: HU,LA.

FREN 34300 - The Evolution of French Civilization (3)
Study of how concrete elements of French civilization, key figures, government, society, ideas, literature, and the arts evolved from prehistoric times to the 20th century. Taught in French. Prerequisites: FREN 30100. 3 credits. (IRR)
Distribution: 1,G,H,HU,LA.

FREN 34400 - Contemporary French Culture (3)
Exploring modern France and francophone countries from a total culture point of view; geography, politics, and economy, as well as literature, sciences, music, cinema,
gastronomy, and the arts. Taught in French. Prerequisites: FREN 30100 (or equivalent with permission of instructor). 3 credits. (F,E)

Distribution: I,G,H,HU,LA.

FREN 34500 - Francophone Literature (3)
An introduction to the literature of French expression originating outside France. Discussions will focus on colonization, post-colonization, religion (Christianity, Islam, Judaism, animism), gender, and ethnicity. Prerequisites: FREN 30100, or equivalent. 3 credits. (IRR)

Distribution: HU,LA.

FREN 35700 - Advanced Writing (3)
Study of diverse literary models, composition, and translation, according to individual needs. May be repeated once for credit. Prerequisites: FREN 32200 (or equivalent with permission of instructor). 3 credits. (IRR)

Distribution: HU,LA.

FREN 37700 - Selected Topics in French Literature and Culture (3)
Study of a genre, time period, group of authors, or single major writer. May be repeated for credit when topics vary. Taught in French. Prerequisites: FREN 30100 or equivalent with permission of instructor. 3 credits. (IRR)

Distribution: HU,LA.

FREN 39900 - Independent Study: French (1 to 3)
Individual research, study, and/or writing on particular topics supervised by a member of the department. Offered on demand only. Prerequisites: Permission of instructor and chairperson. 1-3 credits. (IRR)

Distribution: LA,UND.

GBUS - General Business

GBUS 20300 - Legal Environment of Business I (3)
Introduction to the American legal system and the legal environment in which businesses operate. Topics covered include the judicial process; constitutional law and issues of discrimination and diversity; criminal law; intentional torts and negligence; product liability; the law of contracts; and selected current topics in law. Emphasis is on case analysis, including the social, ethical, political, and economic considerations of the impact of law on business and society. Emphasis is also placed on the application of legal concepts to solve problems. Prerequisites: Two courses in social sciences; sophomore standing. 3 credits. (F,S,Y)

Distribution: NLA.

GBUS 20400 - Legal Environment of Business II (3)
Continuation of GBUS 20300 Legal Environment of Business. This course focuses on business organizations and the regulation of business. Topics covered include agency and issues in employment law, forms of business organizations, partnerships, corporations, securities regulation, environmental law, antitrust law, corporate social responsibility, the Uniform Commercial Code, debtor-creditor relations, and selected current topics in law. Emphasis is on case analysis, including the social, ethical, political, and economic considerations of the impact of law
on business and society. Emphasis is also placed on the application of legal concepts to solve problems. 
Prerequisites: GBUS 20300; sophomore standing. A student cannot receive credit for both GBUS 20400 and GBUS 30700. 3 credits. (S,Y)
Distribution: NLA.

GBUS 30700 - Commercial Law (3)
An in-depth analysis of the commercial law. Topics include Uniform Commercial Code (UCC) Article 2: sales contracts and risk of loss issues; Article 3: negotiable instruments and the holder-in-due-course doctrine; Article 6: bulk transfers; Article 9: secured transactions; bankruptcy; creditor and debtor rules; mortgages; liens; principals and agents; antitrust legislation; special corporation topics, such as LBOs and insider trading; liability of corporate officers and directors; and ethical considerations. Prerequisites: GBUS 20300; junior standing. Previously titled Business Law II (Accounting). A student may not receive credit for both GBUS 30700 and GBUS 20400. 3 credits. (S,Y)
Distribution: NLA.

GBUS 31000 - International Business Law (3)
An analysis of commercial law in an international context. Topics include major national and international trade regulations; international sales, credits, and commercial transactions; resolution processes for international disputes; U.S. trade law; import and export laws; GATT; and the regulation of the international marketplace. Emphasis is on the application of legal concepts to solve problems. Prerequisites: GBUS 20300; junior standing. 3 credits. (S,Y)
Distribution: NLA.

GBUS 32400 - Alternative Dispute Resolution (3)
A study of the major theories of business dispute resolution in the United States beginning with civil litigation and then proceeding to negotiations, mediations, arbitration and mini-trials. Students will learn the theoretical framework of dispute resolution and then apply the theory to a series of interactive workshops in which they will assume the roles of negotiators, mediators, and arbitrators in a business setting. Prerequisites: GBUS 20300. 3 credits. (Y)
Distribution: NLA.

GBUS 35300 - Real Estate Law (3)
Fundamental concepts of the law of real property, including real estate contracts, liens, leases, mortgages, deeds, zoning and other limitations on land use, and such specialized topics as real estate implications of the Americans with Disabilities Act. Prerequisites: GBUS 20300; junior standing. 3 credits. (IRR)
Distribution: NLA,UND.

GBUS 39800 - Internship for Credit (1 to 3)
Off-campus experience involving varied, non-routine work designed to allow students to learn about real-world operations of an organization. Prerequisites: Junior Standing; good academic standing; completion of Business-Link Professions Themes I, II & III; School of Business internship application and permission of instructor. Pass/fail only. 1-3 credits. (F, S, SUM, W)
Distribution: NLA.

GBUS 49700 - Selected Topics in General Business (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)
Distribution: NLA,UND.

GCOM - General Communications

GCOM 10001 - 10099 - Park Scholar Program Special Topics (1)
Exploring various topics of interest to the field of media studies, this seminar develops the Park Scholar Program’s first-year class into a learning community fluent in debates surrounding contemporary issues in communications studies. Open only to Park Scholars. Prerequisites: Permission of instructor. 1 credit. (F)
Distribution: LA.

GCOM 13000 - S'Park!: Igniting your Future in Communications (1)
An exploration of the important themes, radical creative/economic transformations, and disruptive technologies that impact the study and practice of communications. Using a problem-based learning approach, students are exposed to real-world challenges that influence all of the communications disciplines and professions, such as global and virtual enterprises, intellectual property, control and manipulation of information, imagery, and media channels, social and user-generated media, and emerging economic models. Through discussions and case studies with guest speakers, students will gain an expanded understanding of current realities, interdisciplinary intersections, and future opportunities so that they can better plan their academic experience. Open only to freshmen majors in the Roy H. Park School of Communications and all freshmen in the B.S. in Emerging Media. 1 credit. (F)
Distribution: NLA.

GCOM 20100 - Water Planet: Perspectives on Water Sustainability (3)
Understand perspectives on water sustainability issues through an interdisciplinary approach with guest experts in the arts, sciences and humanities. Explore water sustainability topics from the personal to the global through readings, activities, discussion and media analysis. Prerequisites: Sophomore standing. 3 credits. (Y, SU)

Distribution: 1,G,HU,LA,SS.

GCOM 29299 - Selected Topics (1 to 2)

A series of short courses in specialized areas of communications that meet the College guidelines for liberal arts designation. Visiting lecturers and faculty of the school participate in areas of their expertise. May be repeated. Prerequisites: Vary depending on the topic; refer to Undergraduate Course Offerings each semester. Pass/fail. 1-2 credits. (IRR)

Distribution: NLA.

GCOM 29399 - Minicourses in Communications (1 to 2)

A series of short courses in specialized areas of communications that do not meet the College guidelines for liberal arts designation. Visiting lecturers and faculty of the school participate in areas of their expertise. May be repeated. Prerequisites: Vary depending on the topic; refer to Undergraduate Course Offerings each semester. Pass/fail. 1-2 credits. (IRR)

Distribution: LA.

GERM 10100 - Elementary German I (0 to 3)

Beginning course. Practice in understanding, speaking, reading, and writing simple idiomatic German with special attention to German culture. Emphasizes participation and self-expression. Open to students with no previous German, or by placement examination. 3 credits. (F,Y)

Distribution: 3A,G,HU,LA.

GERM 10200 - Elementary German II (0 to 3)

Continuation of GERM 10100. Limited to students who have successfully completed GERM 10100 with a grade of C- or better, or by placement examination. Prerequisites: GERM 10100, or equivalent. 3 credits. (S,Y)

Distribution: 3A,G,HU,LA.

GERM 15100 - Elementary German for Reading Knowledge (3)

Emphasis is placed on rapid development of reading skills; principles of German grammar and their application to reading comprehension; extensive reading in German culture and literature. 3 credits. (IRR)

Distribution: HU,LA.

GERM 20100 - Intermediate German I (3)

Develops intermediate-level proficiency in speaking, listening, reading, and writing German. Special emphasis is given to German culture. Prerequisites: GERM 10200 with a grade of C- or better. 3 credits. (F,Y)

Distribution: 3A,G,HU,LA.

GERM 20200 - Intermediate German II (3)

Continuation of GERM 20100. Develops intermediate-level proficiency in speaking, listening, reading, and writing German. Special emphasis is given to German culture. Prerequisites: GERM 20100 with a grade of C- or better. 3 credits. (S,Y)
Distribution: 3A,G,HU,LA.

GERM 25000 - History of German Film (3)
A study of the principal films of major German directors. This class will cover the complete history of German film, from early silent cinema to contemporary films. Emphasis is given to the historical and cultural context of each film, as well as the film's relationship to questions of German identity. Readings include historical as well as theoretical texts. Conducted in English. Prerequisites: Two courses in the humanities. 3 credits. (IRR)

Distribution: 3A,G,HU,LA.

GERM 25200 - German Literature in Translation (3)
Study of principal works of major writers and representative works of various periods. Prerequisites: Two courses in the humanities. 3 credits. (IRR)

Distribution: HU,LA.

GERM 27500 - Twentieth-Century German Intellectual Thought (3)
A study of the principal currents of 20th-century German intellectual thought, with particular emphasis on the relationship of the individual to society and on Marxist theories of art and popular culture. Readings include Freud, Heidegger, Benjamin, Adorno, and Habermas. Conducted in English. Prerequisites: One course in the humanities. 3 credits. (IRR)

Distribution: HU,LA.

GERM 29900 - Independent Study: German (1 to 3)
Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: Permission of instructor and chairperson. 1-3 credits. (IRR)

Distribution: LA,UND.

GERM 30100 - Spoken and Written Communication in German I (3)
Developing spoken and written communication skills at the third-year level. Reading and discussion of contemporary material. Writing practice. Laboratory exercises. Prerequisites: GERM 20200 with a grade of C- or better, or equivalent. 3 credits. (F,Y)

Distribution: 3A,G,HU,LA.

GERM 30200 - Spoken and Written Communication in German II (3)
Developing spoken and written communication skills at the third-year level. Reading and discussion of contemporary material, writing practice, and laboratory exercises. Prerequisites: GERM 30100, or equivalent. 3 credits. (S,Y)

Distribution: 3A,G,HU,LA.

GERM 31200 - Advanced German Grammar and Composition (3)
Advanced study of German grammar, with an emphasis placed on composition. Prerequisites: GERM 20200 with a grade of C- or better (or equivalent with permission of instructor). 3 credits. (IRR)

Distribution: HU,LA.

GERM 32300 - German Oral Practice (3)
Extensive oral practice using selected topics as a basis for conversation, discussion, and presentations or short talks. Prerequisites: GERM 20200 with a grade of C- or better. 3 credits. (IRR)

Distribution: 3A,G,HU,LA.

GERM 34100 - German Cultural History (3)
Study of the civilization and culture of Germany and other German-speaking countries. Usually taught in English. Prerequisites: Sophomore standing; permission of instructor. 3 credits. (S,E)

Distribution: 3A,G,HU,LA.

GERM 36500 - Masterworks in German (3)
Study of selected literary works of significant writers of the 18th, 19th, and 20th centuries. Taught in German. Prerequisites: One level-3 German course taught in German, or equivalent. 3 credits. (F,O)

Distribution: 3A,G,HU,LA.

GERM 38100 - German Conversation and Culture (3)
Concentration on the use of language in oral communication. Readings and discussion to focus on areas of German civilization and culture with attention to art, literature, music, geography, history, social structures, and folk and popular culture. Taught in German. May be repeated when topics vary. Prerequisites: One level-3 course taught in German, or equivalent. 3 credits. (S,E)

Distribution: 3A,G,HU,LA.

GERM 38200 - German Conversation and Culture (3)
Concentration on the use of language in oral communication. Readings and discussion to focus on areas of German civilization and culture with attention to art, literature, music, geography, history, social structures, and folk and popular culture. Taught in German. May be repeated when topics vary. Prerequisites: One level-3 course taught in German, or equivalent. 3 credits. (S,E)

Distribution: 3A,G,HU,LA.

GERM 39300 - Selected Topics in German Literature (3)
Study of a genre, time period, group of authors, or single major writer. Taught in German. May be repeated two times each, for a total of 12 credits, when topics vary.
Prerequisites: Two German courses at level 3. 3 credits. (S,E)

Distribution: 3A,G,HU,LA.

GERM 39400 - Selected Topics in German Literature (3)
Study of a genre, time period, group of authors, or single major writer. Taught in German. May be repeated two times each, for a total of 12 credits, when topics vary. Prerequisites: Two German courses at level 3. 3 credits. (S,E)

Distribution: 3A,G,HU,LA.

GERM 39900 - Independent Study: German (1 to 3)
Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: Junior standing; permission of instructor and chairperson. 1-3 credits.

Distribution: HU,LA.

GERM 47100 - Seminar: German (3)
Study of a selected topic or author in German literature or culture. May be repeated for credit when topics change each year. Taught in German. Prerequisites: Two German courses at level 3; senior standing. 3 credits. (IRR)

Distribution: HU,LA.

GERM 47200 - Seminar: German (3)
Study of a selected topic or author in German literature or culture. May be repeated for credit when topics change each year. Taught in German. Prerequisites: Two German courses at level 3; senior standing. 3 credits. (IRR)

Distribution: HU,LA.

GERO - Gerontology

GERO 10100 - Introduction to Aging Studies (3)
Introduction to the broad spectrum of issues involved in the study of aging. Biological, psychological, and sociological concerns, in addition to services for the elderly, are presented in survey fashion. Field trips, lectures, discussions, and demonstrations comprise the instructional methods. 3 credits. (F-S,Y)

Distribution: 1,LA,SS.

GERO 21000 - Health and Aging (3)
Examines the health status of older adults in the U.S. and the impact it has on longevity and quality of life in the later years. Includes factors that affect the health and longevity of older Americans, health challenges in later life, prevention and health promotion, the need for culturally competent health care for older adults, and end of life choices and issues. Explores how U.S. health policy and the health care system affect the lives of older adults. Prerequisites: GERO 10100 or HLTH 11300. 3 credits. (S,Y)

Distribution: LA,SS.

GERO 22000 - Sociology of Aging (3)
Examination of the prominent sociological theories and research about aging and the ways in which the experience of aging is socially constructed. Cross-listed with SOCI 22000. Students may not receive credit for both GERO 22000 and SOCI 22000. Prerequisites: SOCI 10100 or GERO 10100. 3 credits. (S,Y)

Distribution: LA,SS. Crosslisted as: SOCI 22000.

GERO 23000 - Memory Loss and Aging: Myths and Realities (3)
Memory loss has become one of the most feared stereotypes of aging. This course contrasts normal age-related changes in the brain with the effects of diseases that cause cognitive impairment. Prevalence, incidence, symptoms, causes, treatment, and caregiving issues are discussed, with emphasis on the history and personal, social, cultural, political, and economic impacts of Alzheimer's disease, which affects millions of older adults in the United States. Prerequisites: GERO 10100. 3 credits. (S,O)

Distribution: LA.

GERO 29010 - Fieldwork in Gerontology (3)
Fieldwork gives students firsthand experience working and socializing with the elderly. Under the supervision of a trained professional within an organization in the Ithaca area, students engage in work activities, including direct service to the aged, as well as service to the host agency. An integrated series of seminars provides students with the context to better understand the needs of the community-based elderly, as well as the local, state, and national resources available and not available to meet those needs. Prerequisites: GERO 10100. 3 credits. (S,Y)

Distribution: NLA.

GERO 29100 - Aging and Social Policy (3)
Examination of contemporary public health and social policies and programs that affect the well-being of older adults. The scope of these programs and policies, their historical development, and likely changes are explored. Prerequisites: GERO 10100; three courses in the social sciences. 3 credits. (F,Y)
GERO 32500 - The Long-Term Care System (3)

Exploration of the continuum of long-term care services available in the United States. Examination of issues of access and financing; the combination of housing and services for disabled older adults; and challenges to the provision of a range of quality long-term care options. Prerequisites: GERO 10100; two additional courses from gerontology major groups 1 or 2. 3 credits. (S,O)

Distribution: LA,SS.

GERO 33000 - Research Methods in Gerontology (3)

Overview of methodological designs used in the study of social gerontology, with focus on basic and applied research, including qualitative and quantitative methods. Students learn to determine the most appropriate method for research questions, develop a survey instrument, create an interview guide, and work with a variety of data. Prerequisites: GERO 10100; MATH 15500 or a level-2 statistics course; one additional course from gerontology major groups 1 or 2 at level 2 or above. 3 credits. (F,Y)

Distribution: LA,SS.

GERO 37000 - Counseling the Older Adult (3)

Combines theory about and practice of basic counseling skills with information about issues faced by older adults and their families. Analyzes the lives of today's older adults within the frameworks of social institutions and race, class, and gender. Prerequisites: SOCI 10100 or GERO 10100; at least one of the following: GERO 22000, SOCI 30800, SOCI 30900, PSYC 36600, ANTH 34000, RLS 23800, HLTH 24000. 3 credits. (S,O)

Distribution: LA,SS.

GERO 38000 - End-of-Life Issues (3)

Broad overview of basic concepts and psychosocial issues related to the meaning of loss and death, the process of death, and the experience of grieving. Consideration of health care practices along with community resources. Prerequisites: GERO 10100 and one social science course at the 200 level or above. 3 credits. (S, E)

Distribution: LA,SS.

GERO 38900 - Selected Topics in Applied Gerontology (1 to 3)

Exploration, in a lecture or seminar format, of a professional or practical aspect of gerontology. Topics vary based on current trends and student and faculty interests. May be repeated for credit for different selected topics. Offered for 1-3 credits, depending upon the issue and the time required to adequately address the topic. Prerequisites: GERO 10100; one additional gerontology-related course at level 2 or above. 1-3 credits. (IRR)

Distribution: NLA.

GERO 39900 - Selected Topics in Social Gerontology (1 to 3)

Exploration, in lecture or seminar format, of a specific area of social gerontology. Topics are based on current trends and student and faculty interests. May be repeated for credit for different selected topics. Offered for 1-3 credits, depending upon the issue and time required to adequately address the topic. Prerequisites: GERO 10100; one additional gerontology-related course at level 2 or above. 1-3 credits. (IRR)

Distribution: LA.

GERO 39901 - Selected Topics in Social Gerontology (1 to 3)

Exploration, in lecture or seminar format, of a specific area of social gerontology. Topics are based on current trends and student and faculty interests. May be repeated for credit for different selected topics. Offered for 1-3 credits, depending upon the issue and time required to adequately address the topic. Prerequisites: GERO 10100; one additional gerontology-related course at level 2 or above. 1-3 credits. (IRR)

Distribution: LA.

GERO 39902 - Selected Topics in Social Gerontology (1 to 3)

Exploration, in lecture or seminar format, of a specific area of social gerontology. Topics are based on current trends and student and faculty interests. May be repeated for credit for different selected topics. Offered for 1-3 credits, depending upon the issue and time required to adequately address the topic. Prerequisites: GERO10100 (or GERO10100 or HPS10100); one additional gerontology-related course at level 2 or above. 1-3 credits. (IRR)

GERO 39903 - Selected Topics in Social Gerontology (1 to 3)

Exploration of a specific area of social gerontology in lecture or seminar format. Topics are based on current trends and student and faculty interests. May be repeated for credit for different selected topics. Offered for 1-3 credits, depending upon the issue and time required to adequately address the topic. Prerequisites: GERO10100 (or GERO10100 or HPS10100); one additional gerontology-related course at level 2 or above. 1-3 credits. (IRR)

GERO 39904 - Selected Topics in Social Gerontology (1 to 3)

Exploration of a specific area of social gerontology in lecture or seminar format. Topics are based on current trends and student and faculty interests. May be repeated for credit for different selected topics. Offered for 1-3 credits, depending upon the issue and time required to adequately address the topic. Prerequisites: GERO10100 (or GERO10100 or HPS10100); one additional gerontology-related course at level 2 or above. 1-3 credits. (IRR)
trends and student and faculty interests. May be repeated for credit for different selected topics. Offered for 1-3 credits, depending upon the issue and time required to adequately address the topic. Prerequisites: GERO 10100 (or GERO 10100 or HPS 10100); one additional gerontology-related course at level 2 or above. 1-3 credits. (IRR)

GERO 39905 - Selected Topics in Social Gerontology (1 to 3)
Exploration of a specific area of social gerontology in lecture or seminar format. Topics are based on current trends and student and faculty interests. May be repeated for credit for different selected topics. Offered for 1-3 credits, depending upon the issue and time required to adequately address the topic. Prerequisites: GERO 10100 (or GERO 10100 or HPS 10100); one additional gerontology-related course at level 2 or above. 1-3 credits. (IRR)

GERO 40100 - Gerontology Internship (3)
This six-week (240 clock-hour) internship, ordinarily taken during the summer, provides a structured, intensive learning experience in an organization dedicated to research, planning, policymaking, or service provision for older adults. Supervision is provided by an on-site professional preceptor. Students are required to submit periodic written field reports, as well as a final internship experience report. Prerequisites: GERO 29010; GERO 31900; three additional courses from gerontology major groups 1 or 2; permission of instructor. Pass/fail only. 3 credits. (Y)

Distribution: NLA.

GERO 48000 - Gerontology Senior Seminar (3)
This capstone experience provides a structured opportunity for gerontology majors to integrate knowledge and experience from coursework and internships as they explore a variety of theoretical and professional issues in gerontology. Prerequisites: GERO 31900; GERO 40100; senior standing. 3 credits. (S,Y)

Distribution: LA, SS.

GERO 49900 - Independent Study (1 to 4)
Individual research and writing on a particular area in gerontology, supervised by a faculty member in the gerontology program. Prerequisites: Permission of instructor. 1-4 credits. (F-S,Y)

Distribution: LA.

HEBR - Hebrew

HEBR 10100 - Elementary Hebrew I (0 to 3)
Beginning course. Practice in understanding, speaking, reading, and writing simple idiomatic Hebrew. Emphasis is placed on culture, participation, and self-expression. Open to students with no previous Hebrew, or by placement examination. 3 credits. (F,Y)

Distribution: 3A, G, HU, LA.

HEBR 10200 - Elementary Hebrew II (0 to 3)
A continuation of HEBR 10100. Limited to students who have completed HEBR 10100 with a grade of C- or better, or equivalent. Prerequisites: HEBR 10100 or equivalent. 3 credits. (S,Y)

Distribution: 3A, G, HU, LA.

HEBR 20100 - Intermediate Hebrew I (3)
Develops intermediate-level proficiency in speaking, listening, reading, and writing Hebrew. Special emphasis is given to Hebrew culture. Prerequisites: HEBR 10200 with a grade of C- or better. 3 credits. (F,Y)

Distribution: 3A, G, HU, LA.

HEBR 20200 - Intermediate Hebrew II (3)
Continuation of HEBR 20100. Develops intermediate-level proficiency in speaking, listening, reading, and writing Hebrew. Special emphasis is given to Hebrew culture. Prerequisites: HEBR 20100 with a grade of C- or better. 3 credits. (S,Y)

Distribution: 3A, G, HU, LA.

HEBR 29900 - Independent Study: Hebrew (1 to 3)
Individual research, study, and/or writing on particular topics, supervised by a member of the department. Prerequisites: Permission of instructor and chairperson. 1-3 credits. (IRR)

Distribution: LA, UND.

HEBR 39900 - Independent Study: Hebrew (1 to 3)
Individual research, study, and/or writing on particular topics, supervised by a member of the department. Prerequisites: Permission of instructor and chairperson. 1-3 credits. (IRR)

Distribution: LA, UND.

HINT - Health Interdiscip Studies

HINT 10000 - Health Sciences: Foundations and Careers (0 to 2)
An overview of the foundation of health sciences and career opportunities in the various fields. The class format includes small-group discussion as well as guest lectures by health science educators. Selected issues related to the professions are also examined. 2 credits. (F,Y)

Distribution: NLA.

HINT 23000 - Introduction to Interdisciplinary Health Care Teams (1)
Introduction to the essential knowledge that facilitates interaction among health science professionals and enables them to become more effective members of interdisciplinary teams. Prerequisites: Sophomore standing. 1 credit. (F or S, Y)

Distribution: NLA.

HINT 31200 - Health Care and Culture (3)

An investigation of sociocultural context in the delivery and receipt of health care and rehabilitation services. Students examine, through readings, discussion, and interviews with people in the community, the role of ethnicity, race, religion, and socioeconomic status in shaping the health-related beliefs and behaviors of individuals. Prerequisites: Junior standing. 3 credits. (S, Y)

Distribution: 1,G,H,HU,LA.

HINT 31300 - Health Care and Culture: An International Field Experience (1)

An investigation of sociocultural factors in the delivery of health care and rehabilitation services in an international context. Students examine, through experiential learning, discussion, and lectures, the role of ethnicity, race, religion, and socioeconomic status in shaping the health-related beliefs and behaviors of individuals in a selected country. Prerequisites: HINT 31200 or permission of the instructor. 1 credit. (Sum,Y)

Distribution: 1,G,NLA.

HINT 33000 - Interdisciplinary Collaboration: Practical Applications for Health Care Teams (1)

Application of collaboration of interdisciplinary team-management principles and intervention planning strategies and techniques that include interdisciplinary treatment plan development, assessment, and the development of interdisciplinary intervention programs. Prerequisites: HINT 23000. 1 credit. (F or S, Y)

Distribution: NLA.

HINT 43000 - Seminar: Capstone in Health Care Teams (1)

Students will observe and evaluate the collaboration of interdisciplinary team-management principles and intervention planning strategies and techniques. Includes travel to national and/or international sites (at the student's expense) where interdisciplinary collaboration in a multicultural setting is practiced. Prerequisites: HINT 33000. 1 credit. May be repeated up to 3 credits. (Y)

Distribution: NLA.

HIST - History

HIST 10100 - Foundations of Western Civilization (3)

Introduction to the development of Western civilization from its heritage in the ancient world to the early modern age of the 17th or 18th centuries. Major political, socioeconomic, and cultural trends are examined. Students may not receive credit for both HIST 10100 and HIST 18100. Not open to seniors except by permission of instructor. Also offered through the London Center. 3 credits. (F, Y)

Distribution: 1,G,H,HU,LA.

HIST 10200 - Modern Western Civilization (3)

Continuation of HIST 10100, extending from the early modern period to the present. Students may not receive credit for both HIST 10200 and HIST 18200. Not open to seniors except by permission of instructor. Also offered through the London Center. 3 credits. (S, Y)

Distribution: 1,G,H,HU,LA.

HIST 11100 - United States History to 1865 (3)

A survey of United States history from the colonial period through the Civil War. Included are our European heritage, problems of colonial settlement, the achievement of political independence and stability, territorial expansion, industrialization, and the struggle over slavery. Not open to seniors except by permission of instructor. 3 credits. (F, Y)

Distribution: 1,H,HU,LA.

HIST 11200 - United States History since 1865 (3)

A survey of national development since the Civil War, with a particular emphasis placed on social and economic development, overseas expansion, social and political reform movements, involvement in two world wars, and the Cold War. Not open to seniors except by permission of instructor. 3 credits. (S, Y)

Distribution: 1,H,HU,LA.

HIST 15100 - The Past Is Present: The Relevancies of History (3)

People tend quite naturally to think in present terms and see the world as it is around them. The present, however, does not exist independently of the past. This course uses a series of videotapes, readings, and group discussions to link the past to the present in a variety of ways. 3 credits. (F, Y)

Distribution: 1,H,HU,LA.

HIST 18100 - World Civilization I (3)

A comparative survey of world civilizations from the beginnings of humanity to the age of exploration in the 16th century. Considers the nature of early hunting-gathering societies, the impact of agriculture, the introduction of metallurgy (bronze and iron), and the evolution of civilizations in Eurasia, Africa, and the New World. Students may not receive credit for both HIST 18100 and HIST 10100. Not open to seniors except by permission of instructor. 3 credits. (F, Y)
COURSE DESCRIPTIONS

HIST 18200 - World Civilization II (3)
Continuation of HIST 18100, extending from the age of exploration in the 16th century to the present. Considers a "world made one" by the voyages of Columbus and others, the expansion of contacts into the 20th century, and the possible development of a global civilization. Students may not receive credit for both HIST 18200 and HIST 10200. Not open to seniors except by permission of instructor. 3 credits. (S,Y)
Distribution: 1,G,H,HU,LA.

HIST 18500 - Selected Topics: Historical Studies (3)
Occasional courses of an experimental nature are offered under these numbers and title. These may be of lecture or seminar format, of great breadth or highly specialized. There is no prerequisite. This course may be repeated for credit for selected topics on different subjects. 3 credits. (IRR)
Distribution: HU,LA.

HIST 18600 - Selected Topics: Historical Studies (3)
Occasional courses of an experimental nature are offered under these numbers and title. These may be of lecture or seminar format, of great breadth or highly specialized. There is no prerequisite. This course may be repeated for credit for selected topics on different subjects. 3 credits. (IRR)
Distribution: HU,LA.

HIST 20800 - Hidden from History: American Herstory (3)
This course explores continuity and change in women's lives through the family, politics, reform movements, slavery, the westward movement, religion, industrialization, immigration, education, war, the transformation of sexuality and sexual liberation, and the interplay between real and expected social values. Emphasizes diversity among social classes, races, and ethnic groups. Counts toward the United States history requirement for department majors. Prerequisites: one course in the humanities or social sciences and sophomore standing. 3 credits. (IRR)
Distribution: 1,H,HU,LA.

HIST 20900 - Ethnic United States since the Civil War (3)
Explores the cultures and social structures that various immigrant groups brought to the United States, their interaction with the dominant Anglo-Saxon culture, and the kind of multiethnic society the United States has built (melting pot or tossed salad). This course counts toward the U.S. history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (S,Y)
Distribution: 1,H,HU,LA.

HIST 21000 - The United States Labor Movement (3)
Explores labor history from 1840 to the 1970s. Based on two premises: first, that labor history is an essential ingredient to the understanding of American history; and second, that labor history must extend beyond traditional union history into the lives and aspirations of the workers themselves. Thus, the course looks beyond the union halls into the homes and hearts of the men and women who have built America. This course counts toward the U.S. history requirement for history department majors. Prerequisites: 311-11200, or one American history course at or above level 2, or one course in business or economics above level 1; sophomore standing. 3 credits. (IRR)
Distribution: 1,H,HU,LA.

HIST 21100 - The United States and Vietnam 1945-1990 (3)
Through readings, films, and student research, explores the history of the United States' involvement in Southeast Asia from World War II to 1990. It emphasizes the origins and reason for the Vietnam War, the impact of the war on all participants, and the aftermath of the defeat of the U.S. effort. This course counts toward the U.S. history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (S,Y)
Distribution: HU,LA.

HIST 22100 - Russian History (3)
Russian history from antiquity to the 1917 revolution. Emphasis is placed on political, social, and intellectual developments. This course counts towards the European requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (F,Y)
Distribution: 1,G,H,HU,LA.

HIST 22200 - Rise and Fall of the USSR (3)
A study of Soviet ideology and politics from the 1917 revolution to the present, emphasizing the cause of the system's disintegration. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (S,Y)
Distribution: 1,G,H,HU,LA.

HIST 22300 - Rise and Fall of the British Empire (3)
Explores the scope of the empire, ranging across North America, Australia, New Zealand, the Middle East, and India, and how populations in both Britain and the colonized regions responded to empire. Topics include the technologies of power that enabled Britain to administer such a large area, how imperial power was implicated in the construction of knowledge that introduced these regions to a European audience, the dissolution of the
empire in the 20th century, and the postcolonial legacy that continues to shape these former imperial possessions and the modern British state. Counts toward the global history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 22400 - Modern South Asia (3)

Considers the history of modern South Asia from about 1500 to the present day. Begins with a background overview of early cultural and political history, then proceeds through the rise of the Mughal Empire and regional Indian powers, the coming of the British, the Sepoy mutiny/rebellion, the rise of nationalism Hindu-Muslim communal tensions, partition and the formation of India and Pakistan, concluding with contemporary cultural and political issues, such as the rights of women, dalits and religious minorities, the middle class and globalization, Indo-Pak relations, and the development of nuclear powers in South Asia. Counts toward the global history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 22700 - Islamic Civilizations: Muhammad to the 19th Century (3)

Explores the worldwide development of Islamic societies, beginning in the Arabian peninsula just before the time of Muhammad, charts the rise and consolidation of Islam in Arabia, and follows the global development of Islamic societies from the Middle East to Europe and Asia. Considers articulations of Islamic identity worldwide and Islamic adaptations to varying social and cultural locations. The course ends as the European colonial powers encounter the Middle Eastern and Asian Islamic worlds. Counts toward the global history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 22800 - Islam in the Modern World (3)

Examines the scope and transformations of Islamic societies since the 19th century, including the decline of the Ottoman empire, encounters with European colonialism, the rise of nationalism and nation-states in the Middle East and Islamic Asia, the Arab-Israeli conflict, the partition of India, the Islamic revolution in Iran, and the rise of Islam in Europe and the United States. Considers also the tension between militancy and quietism, women’s economic empowerment, changing gender roles, and the worldwide Muslim response to extremist violence and ideologies. Counts toward the global history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 23100 - The Ancient World: Greece and Rome (3)

Introduction to the study of Egyptian and Greco-Roman civilization, including a general survey of political institutions and social and economic life. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 23200 - Medieval Civilization (3)

Major emphasis is placed on the course of events in Europe and the Near East from the 4th through the 15th centuries, with particular stress on the major institutional and cultural developments. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 23300 - Colonial Latin America (3)

An examination of ancient American civilizations establishes the context for the Spanish and Portuguese conquests and the imposition of Iberian culture in the development of Spanish and Portuguese colonies. The course continues with the international setting of the colonies, the decline of the colonial order, and outbreak of wars of independence in the early 19th century. Counts toward the global history requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 23400 - Modern Latin America (3)

To promote an understanding of contemporary Latin America, the course examines the political, economic, social, and cultural transformations in the 19th and 20th centuries. Major topics include the relationship of Latin America to Europe and the United States and the relationship of notions of race, class and gender to politics and economics. Counts toward the global history requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (F or S,Y)

Distribution: 1,G,H,HU,LA.

HIST 23500 - The Discovery of the World (3)

A consideration of the prerequisites of transoceanic voyages and an investigation of why, among the societies that developed oceanic maritime capabilities, it was Europe
that "discovered" the world. This course counts toward the global requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 24000 - The Jacksonian Era, 1815-1848 (3)
This course focuses on the political, economic, social, transportation, and communication revolutions that fundamentally altered the American Republic from the aftermath of the War of 1812 through the end of the Mexican-American War in 1848. Topics include democracy and the second-party system, internal improvements, immigration and demographics, the Second Great Awakening, modernization, and social change, among others. This course counts toward the U.S. history requirement for history department majors. Prerequisites: one course in the humanities or social sciences and sophomore standing. 3 credits. (IRR)

Distribution: 1,H,HU,LA.

HIST 24300 - The U.S. City: its development and impact on American society from the colonial period to the present. Changes in structure and function of the city in U.S. history and the effect of these changes on the lives of urban dwellers and American society in general. This course counts toward the U.S. history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (O,E)

Distribution: 1,H,HU,LA.

HIST 24500 - The American Civil War (3)
This course investigates how the Civil War transformed the United States, with an emphasis on the war as a revolutionary experience rather than as a military struggle. Topics include the legality of secession; the creation and demise of the Confederacy; civil liberties in wartime; emancipation; presidential leadership; challenges of the home fronts; the concept of total war; the lost cause ideology; and the imprint of war. This course counts toward the U.S. history requirement for history department majors. Prerequisites: one course in the humanities or social sciences and sophomore standing. 3 credits. (F, Y)

Distribution: 1,H,HU,LA.

HIST 25200 - Germany 1918-1945 (3)
A survey of German history 1918-1945, beginning with the post-World War I situation; the inception of the Weimar Republic and the political and economic challenges it faced; the artistic and cultural flowering during this period; the onset of the Hitler dictatorship; and the development of policies and their implementation to the debacle of the Third Reich in 1945. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 25500 - Native American History (3)
Covers Native American issues since 1492. This historical approach will acquaint students with the major events and processes that transformed Native American communities across the North American continent. Students will review the political, social, economic, and religious changes that took place as a result of native interactions with Euro-Americans and various government agencies since colonial times. Students will also address how Native Americans were represented by non-native peoples and how these images (and misrepresentations) changed over time. This course counts toward the United States History requirement for history department majors. Prerequisites: Sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 26600 - Women in Western Society (3)
Explores the variety of women's roles in the culture and society of the West and the historical evolution of Western society's attitudes toward women. Emphasizes forces affecting attitudes toward women, including economic, political, and social conditions as well as religious, intellectual, and scientific assumptions. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,H,HU,LA.

HIST 26800 - Introduction to Japanese Culture (3)
This interdisciplinary, team-taught introduction to the history and culture of Japan incorporates history, art history, literature, geography, religion, and contemporary affairs to create an understanding of Japan from its origins to the present. This course counts toward the global requirement for history department majors. Prerequisites: One course in the fine arts, humanities, or social sciences; sophomore standing. Students may not earn credit for both HIST 26800 and ARTH 26800. 3 credits. (O)

Distribution: 1,G,H,HU,LA.

HIST 27000 - History of American Environmental Thought (3)
A pervasive theme in the occupancy of North America is the changing and often conflicting perception of the environment. This course focuses on the history of environmental ideas, values, and attitudes. Topics include capitalist, Romantic, and ecological thinking; the goals of conservation and preservation; recent rethinking of primitive experience; and today's dialogue between mainstream environmentalism and deep ecology, the latter including ecofeminism, sustainable development, and
biodiversity. Students examine the profound impact each of the paradigms has had on human-environment relations in America. This course counts toward the U.S. history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,H,HU,LA.

HIST 27200 - History of the Future (3)
An examination of historical perceptions and visions of the future. Utopian thought and societies, science and technology, war and peace, the environment, and gender relations are the historical themes assessed. This course counts toward either the European or the U.S. history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,H,HU,LA.

HIST 27300 - Twentieth-Century Global Revolutions (3)
An exploration of ideas, concepts, and backgrounds of world revolutions in the 20th century. Using various models of revolution in Europe, Asia, Africa, and other parts of the world, the course emphasizes culture as the leading influence in modern revolutions. This course counts toward the global requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (F,Y)

Distribution: 1,G,H,HU,LA.

HIST 27500 - The History of United States Popular Culture (3)
Explores the history of popular culture in the United States from the earliest mass media genres to the contemporary era, including minstrelsy, novels, photography, baseball, movies, radio, and television. Emphasis is placed upon a number of important themes in American social history and how they affected popular culture differently in different eras -- gender roles, race, and the role of changing technology. This course counts toward the U.S. history requirement for department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,H,HU,LA.

HIST 27800 - Japan under Samurai Rule (3)
In the United States the word "samurai" often evokes the image of a sword-wielding Japanese male dedicated to martial arts and Zen, nobly pursuing a life of strict discipline and loyalty to his lord -- and ready to die at a moment's notice. This romanticized image was lived by few actual samurai over the 450 or so years during which they held sway. This course explores the changing and complex role of the samurai in Japan from 1200 to 1868 and considers what it was like to live under samurai rule for the other 90 percent or so of the population. This course counts toward the global requirement for history department majors. Prerequisite: One course in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 27900 - Modern Japan, 1868 to the Present (3)
In 1868 samurai executed a revolution that would soon dissolve the samurai as a class and begin transformations rapidly bringing Japan in the late 19th century's competitive maelstrom. Japan's new leaders pursued an imperialist path, gradually bringing the nation into conflict with much of Asia and then with the United States and Europe. After World War II, Japan peacefully developed a vibrant culture and dynamic economy. We will consider the forces of change and the processes Japan has experienced and pursued from mid-18th century to its competition with other Asian economies today. This course counts toward the global requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 28100 - The Nation-State and its Others, 1789-1914 (3)
This course will examine the rise of nationalism and the nation-state in the wake of the French Revolution. Topics discussed will include the rise of national and independence movements in the early 19th century as well as national unifications in the late 19th century. This class will also examine the European nations' shifting processes of inclusion and exclusion in the 19th century. Counts toward the European history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 28200 - Dictatorships and Democracies in 20th Century Europe (3)
This will be a study of economic, social, and political events in Europe in the 20th century. A central theme of this course will be why a few countries maintained viable democracies while most others succumbed to dictatorships. Special attention will be given to the similarities and differences in the treatment of minority populations in democracies and dictatorships. Counts toward the European requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 29000 - The History of U.S. Foreign Relations (3)
Survey of the prejudices, values, and ideologies that lie behind U.S. foreign policy. Course covers relations with major states and areas of the world from the origins of the nation until the post-Cold War era. Special attention is given to the relationship between social, economic, and political changes in the United States and their effect on foreign relations over time. This course counts toward the U.S. history requirement for history department majors. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,H,HU,LA.

HIST 29100 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 29101 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 29102 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 29103 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 29104 - Selected Topics in Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 29105 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 29200 - Selected Topics: Studies in Global History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the global requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 29201 - Selected Topics: Studies in Global History (3)
Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the global requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 29202 - Selected Topics: Studies in Global History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the global requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 29203 - Selected Topics: Studies in Global History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the global requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 29204 - Selected Topics: Studies in Global History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the global requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 29300 - Selected Topics: Studies in U.S. History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the U.S. requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 29301 - Selected Topics: Studies in U.S. History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the U.S. requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 29302 - Selected Topics: Studies in U.S. History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the U.S. requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 29303 - Selected Topics: Studies in U.S. History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the U.S. requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 29304 - Selected Topics: Studies in U.S. History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects.
This course counts toward the U.S. requirement for history department majors. Prerequisites: One course in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 29900 - Independent Study: History (1 to 3)
Special research on an individual project arranged by a student with a particular faculty member. The project may include reading books and/or writing papers under the guidance of the faculty member, with a performance expectation of sophomore-level work. Offered on demand only. Prerequisites: Sophomore standing or equivalent. 1-3 credits.

Distribution: LA,UND.

HIST 30100 - The Renaissance and Reformation (3)
Consideration of the major trends in world history between 1409 and 1660, including the Renaissance, the expansion of Europe, the development of the modern state system, and the Protestant revolts. Also included are major developments in Asia, Africa, and the Americas. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: I,G,H,HU,LA.

HIST 30200 - The Old Regime and the French Revolution (3)
Political, social, and intellectual upheaval in 17th- and 18th-century Europe. Rise and decline of absolutism and the age of revolution. Napoleon prior to 1814. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: I,G,H,HU,LA.

HIST 30300 - The Colonial Period of American History: 1607-1763 (3)
Intensive examination of the origins of American culture and society (family, community, social structure). This course counts toward the U.S. history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (F,O)

Distribution: HU,LA.

HIST 30400 - The Age of the American Revolution (3)
This course will place the American Revolution within the context of colonial demographic, economic, social, political, and cultural development during the latter half of the 18th century. It will focus on the tangible events of colonial resistance, forming a confederation, drafting and ratifying the Constitution, and splitting into opposing political camps as well as the intangible impact of ideologies such as republicanism and nationalism. It will explore more specifically how women, Indians, blacks, the wealthy and the poor affected and were affected by the Revolution. This course counts toward the U.S. history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (S,O)

Distribution: 1,HU,LA.

HIST 30500 - Jeffersonian and Jacksonian America: Expansion and Reform (3)
This course charts the transformation of society from the divisive election of Thomas Jefferson through Andrew Jackson's “age of the common man.” Explores the legacy of the American Revolution, westward expansion, slavery, industrialization and the market economy, class, and reform movements such as temperance, moral reform, utopianism, and abolition. Counts toward the U.S. history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 30700 - The United States in the Age of Global Crisis, 1914-1945 (3)
Intensive study of the elements that have made the United States a dominant nation in the 20th century. Probes the complex 1920s, the crisis and reform impulses of the Great Depression era, and the impact of both world wars on American society. This course counts toward the United States history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 30800 - The United States in the Age of Cold War (3)
Emphasizes the interrelationships between foreign and domestic policy since World War II. Special attention is paid to the Cold War, McCarthyism, the 1950s ethos, the social movements of the 1960s and 1970s, the Vietnam War, and the rise of the political right. This course counts toward the United States history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 31000 - The American Frontier: 1840-1890 (3)
A cross-disciplinary perspective on the process of settlement into the trans-Mississippi West, drawing from women's studies, social theory, anthropology, literature, and geography. This course counts toward the U.S. history requirement for history department majors. Prerequisites:
Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**HIST 31300 - The United States and the Third World (3)**

An examination of the role of the United States in the modern history and cultural evolution of Africa, Asia, the Middle East, and Latin America. Course includes study of the attitudes, influences, and actions of the United States regarding the nations and peoples of these areas in the 19th and 20th centuries. A search for the forces that explain the understanding, or misunderstanding, of third-world cultures by people in the United States. This course counts toward the U.S. history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (S,O)

**Distribution:** HU, LA.

**HIST 32000 - The United States Business History (3)**

U.S. business history from 1815 to 1960: a study of the development of the vertically integrated corporation and its social and political impact on American society. This course counts toward the U.S. history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**Distribution:** HU, LA.

**HIST 32500 - United States Business History (3)**

U.S. business history from 1815 to 1960: a study of the development of the vertically integrated corporation and its social and political impact on American society. This course counts toward the U.S. history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**Distribution:** HU, LA.

**HIST 33800 - The Other Europe: Modern Eastern and Central Europe (3)**

Examines events and developments in Eastern and Central Europe from 1945 through the end of the Cold War. The course reviews the region's historical-cultural background, but concentrates on governance, ideology, politics, economics, society, and culture during the past 50 years. Special focus on the development of independent dissident activities, their challenge to dominant authoritarian models during the period, and the future of the region in a changing Europe. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**Distribution:** I, G, H, HU, LA.

**HIST 31800 - Toward Democracy: Early Modern European Intellectual History (3)**

Explores the growth of Western democratic theory, political philosophy, and intellectual history from the time of the late Roman Empire to the late 18th century. Included are such topics as the theory of absolutism and its foundation in the Roman law, common law and democracy, papal absolutism, Puritanism, and the Enlightenment. Also considered are Locke, Rousseau, Machiavelli, and Guicciardini. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**Distribution:** I, H, HU, LA.

**HIST 34200 - Japan (3)**

Japan, from its origins to the 20th century: a historical survey drawing on literary sources and social forms to illustrate the development of Japan and its role in world affairs. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**Distribution:** HU, LA.

**HIST 34300 - Japan (3)**

Japan (3)

Examination of the international policy framework of diverse African countries and their participation in regional and global politics. Students explore Africa's changing position in the global economy and complex relationships with the African diaspora, Middle East, communist East, Western societies, and other African countries. Includes contemporary debates over policy responses to the war against terrorism, the global politics of international aid, Western gender diplomacy, AIDS discourse, environment politics, the diamond trails, and African passivity and isolation through a radical recentering of the continent in global politics and history. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the social sciences. 3 credits. (IRR)

**Distribution:** LA, SS.

**HIST 34400 - China and the Opium Trade in International Context (3)**

By the early 1800s the British East India Company controlled poppy-growing lands between South and East Asia, expanded opium production and promoted opium addiction in China as a way to solve an unfavorable balance of trade. Using the effects of the opium trade on China, this course examines the connections between narcotics, imperialism in the 19th century, and the many military and political conflicts of the 20th century. This course counts toward the global requirement for history department majors. Prerequisites: Three courses in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

**Distribution:** HU, LA.

**HIST 33800 - The Other Europe: Modern Eastern and Central Europe (3)**

Examines events and developments in Eastern and Central Europe from 1945 through the end of the Cold War. The course reviews the region's historical-cultural background, but concentrates on governance, ideology, politics, economics, society, and culture during the past 50 years. Special focus on the development of independent dissident activities, their challenge to dominant authoritarian models during the period, and the future of the region in a changing Europe. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**Distribution:** HU, LA.

**HIST 31800 - Toward Democracy: Early Modern European Intellectual History (3)**

Explores the growth of Western democratic theory, political philosophy, and intellectual history from the time of the late Roman Empire to the late 18th century. Included are such topics as the theory of absolutism and its foundation in the Roman law, common law and democracy, papal absolutism, Puritanism, and the Enlightenment. Also considered are Locke, Rousseau, Machiavelli, and Guicciardini. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**Distribution:** I, G, H, HU, LA.

**HIST 31300 - The United States and the Third World (3)**

An examination of the role of the United States in the modern history and cultural evolution of Africa, Asia, the Middle East, and Latin America. Course includes study of the attitudes, influences, and actions of the United States regarding the nations and peoples of these areas in the 19th and 20th centuries. A search for the forces that explain the understanding, or misunderstanding, of third-world cultures by people in the United States. This course counts toward the U.S. history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (S,O)

**Distribution:** HU, LA.

**HIST 32000 - The United States Business History (3)**

U.S. business history from 1815 to 1960: a study of the development of the vertically integrated corporation and its social and political impact on American society. This course counts toward the U.S. history requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

**Distribution:** HU, LA.
within the United States, why the war was conducted with exceptional brutality, and why its repercussions are still felt 60+ years after the war's end. We will investigate tensions among Japan, Asia, and the United States still generated by the residue of the war and seek both causes and possible solutions to those tensions. This course counts toward the global requirement for history department majors. Prerequisites: Three courses in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 35100 - English History to 1714 (3)
Study of English history, principally in the Tudor and Stuart periods: the early Tudors, the culture and institutions of Elizabethan England, the religious and political struggle of Stuart and Cromwellian England. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.

HIST 35300 - Ancient Greece (3)
Study of topics in the history of ancient Greek civilization, from the archaic age through the time of the Hellenistic monarchies. Both ancient and modern sources are sampled extensively. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 35400 - Imperial and Weimar Germany (3)
One of the key questions of German history is whether the nation took a "special path" resulting inevitably in Nazism. This course is organized around this theme. It will examine Germany from the Wars of Unification through the end of the Weimar Republic, focusing particularly on social, political, and economic trends. Counts toward the European history requirement for history department majors. Prerequisites: Three courses in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 35500 - Totalitarianism in Germany, 1933-1989 (3)
In The Origins of Totalitarianism Hannah Arendt argued that Nazism and Communism were similar political systems. This idea will be the starting point for this class, which will examine two dictatorships, those of Nazi Germany and the German Democratic Republic (the communist system in East Germany). Counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities or social sciences; sophomore standing or above. 3 credits. (IRR)

Distribution: HU,LA.

HIST 35600 - Modern European Intellectual History (3)
A survey of European thought in the modern era, exploring in depth contemporary scientific, religious, aesthetic, and existentialist ideas. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. Also offered through the London Center (F-S-Y). 3 credits. (IRR)

Distribution: 1,G,H,HU,LA.

HIST 35700 - Slavery and the Old South: From Settlement through Reconstruction (3)
This course on the Old South will examine the rise and fall of the cotton kingdom with a focus on how the planter elite used slavery to dominate and shape southern society. While the South's colonial antecedents will be considered, the focus of this course will be on the development of the South as a conscious minority during the antebellum era and the death of the Old South as a result of the American Civil War and Reconstruction. This course counts toward the U.S. requirement for history department majors. Prerequisites: Three courses in the humanities or social sciences; sophomore standing. 3 credits. (S, IRR)

Distribution: HU,LA.

HIST 35800 - Revolutionary China (3)
Study of China and its passage from celestial empire to communist republic through two world wars and two revolutions. The assumptions and realities of China are considered, as well as the processes that led to them. This course counts toward the global requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: HU,LA.
Examination of the history of disease and health in Latin America from the pre-Columbian period until the present day. The course considers the various ways that diseases, and ideas about disease, have been shaped by race, gender, class, nationalist ideologies, agricultural and trade practices, and politics. Prerequisites: Three courses in the humanities or social sciences; junior standing. 3 credits. (IRR)

Distribution: H,HU,LA,SS.

HIST 39100 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39101 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39102 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39103 - Selected Topics: Studies in European History (3)

Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.
Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the global requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39204 - Selected Topics: Studies in Global History (3)
Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the global requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39205 - Selected Topics: Studies in Global History (3)
Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the global requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39300 - Selected Topics: Studies in U.S. History (3)
Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the United States requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39301 - Selected Topics: Studies in U.S. History (3)
Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the United States requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39302 - Selected Topics: Studies in U.S. History (3)
Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the United States requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39303 - Selected Topics: Studies in U.S. History (3)
Occasional courses of an experimental nature are offered under this number and title. These may be of lecture and/or discussion format, of great breadth, or highly specialized. Any additional prerequisites are announced when printed descriptions of the study topic are distributed. This course may be repeated for credit for selected topics on different subjects. This course counts toward the United States requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: H,HU,LA.

HIST 39500 - British History: 1815-1914 (3)
British history is discussed with major emphasis placed on England in 1815. The Great Reform Act, Robert Peel, Palmerston, Gladstone, trade unions, Ireland, imperialism, liberalism 1906-14, Parliament versus lords, and causes of World War I are discussed. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. Offered only through the London Center. 3 credits. (F,Y)

Distribution: H,HU,LA.

HIST 39600 - Modern British History 1914 to Present (3)
Great Britain's role in Europe and the East since World War I. Major emphasis is placed on British foreign policy and the figures of Lloyd George, Chamberlain, Churchill, MacMillan, and Wilson. This course counts toward the European requirement for history department majors. Prerequisites: Three courses in the humanities and/or social sciences; sophomore standing. Offered only through the London Center. 3 credits. (S,Y)

Distribution: 1,H,HU,LA.
HIST 39900 - Independent Study: History (1 to 3)
Special research on an individual project arranged by a student with a particular faculty member. The project may include reading books and/or writing papers under the guidance of the faculty member, with a performance expectation of junior-level work. Offered on demand only. Prerequisites: Junior standing, or equivalent. 1-3 credits.
Distribution: LA, UND.

HIST 48100 - History Seminar: European (3)
Introduction to problems of historical method and research in European history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48101 - History Seminar: European (3)
Introduction to problems of historical method and research in European history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48102 - History Seminar: European (3)
Introduction to problems of historical method and research in European history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48103 - History Seminar: European (3)
Introduction to problems of historical method and research in European history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48104 - History Seminar: European (3)
Introduction to problems of historical method and research in European history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48105 - History Seminar: European (3)
Introduction to problems of historical method and research in European history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48106 - History Seminar: European (3)
Introduction to problems of historical method and research in European history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48200 - History Seminar: Global (3)
Introduction to problems of historical method and research in global history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48201 - History Seminar: Global (3)
Introduction to problems of historical method and research in global history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48202 - History Seminar: Global (3)
Introduction to problems of historical method and research in global history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48203 - History Seminar: Global (3)
Introduction to problems of historical method and research in global history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48204 - History Seminar: Global (3)
Introduction to problems of historical method and research in global history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48205 - History Seminar: Global (3)
Introduction to problems of historical method and research in global history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48206 - History Seminar: Global (3)
Introduction to problems of historical method and research in global history. Must be taken at home campus. Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S,Y)
Distribution: HU, LA.

HIST 48207 - History Seminar: Global (3)
Introduction to problems of historical method and research in global history. Must be taken at home campus.
Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S, Y)

Distribution: HU, LA.

HIST 48300 - History Seminar: United States (3)
Introduction to problems of historical method and research in U.S. history. Must be taken at home campus.
Prerequisites: Senior standing or equivalent; permission of instructor. 3 credits. (F-S, Y)

Distribution: HU, LA.

HIST 49100 - Tutorial: European History (3)
Guided individual research, study, and writing on particular topics in European history under the supervision of a faculty member of the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)

Distribution: HU, LA.

HIST 49101 - Tutorial: European History (3)
Guided individual research, study, and writing on particular topics in European history under the supervision of a faculty member of the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)

Distribution: HU, LA.

HIST 49102 - Tutorial: European History (3)
Guided individual research, study, and writing on particular topics in European history under the supervision of a faculty member of the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)

Distribution: HU, LA.

HIST 49103 - Tutorial: European History (3)
Guided individual research, study, and writing on particular topics in European history under the supervision of a faculty member of the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)

Distribution: HU, LA.

HIST 49200 - Tutorial: Global History (3)
Guided individual research, study, and writing on particular topics in global history under the supervision of a faculty member of the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)

Distribution: HU, LA.

HIST 49201 - Tutorial: Global History (3)
Guided individual research, study, and writing on particular topics in global history under the supervision of a faculty member of the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)

Distribution: HU, LA.

HIST 49202 - Tutorial: Global History (3)
Guided individual research, study, and writing on particular topics in global history under the supervision of a faculty member of the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)

Distribution: HU, LA.
HIST 49203 - Tutorial: Global History (3)
Guided individual research, study, and writing on particular topics in global history under the supervision of a faculty member of the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)
Distribution: HU,LA.

HIST 49300 - Tutorial in Special Problems in United States History (3)
Guided individual research, study, and writing on particular topics in U.S. history under the supervision of a faculty member from the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)
Distribution: HU,LA.

HIST 49301 - Tutorial: U.S. History (3)
Guided individual research, study, and writing on particular topics in U.S. history under the supervision of a faculty member from the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)
Distribution: HU,LA.

HIST 49302 - Tutorial: U.S. History (3)
Guided individual research, study, and writing on particular topics in U.S. history under the supervision of a faculty member from the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)
Distribution: HU,LA.

HIST 49303 - Tutorial: U.S. History (3)
Guided individual research, study, and writing on particular topics in U.S. history under the supervision of a faculty member from the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)
Distribution: HU,LA.

HIST 49304 - Tutorial in Special Problems in United States History (3)
Guided individual research, study, and writing on particular topics in U.S. history under the supervision of a faculty member from the department. Must be taken at home campus. Prerequisites: Permission of instructor. 3 credits. (F-S)
Distribution: HU,LA.

HIST 49500 - History Internship (1 to 6)
An opportunity for practical experience in a variety of history-related activities in the United States, under the joint supervision of the sponsoring agency and a history department faculty member. Internships are arranged individually and must be approved by the chair of the history department. Prerequisites: Four history courses; junior standing or above; permission of instructor and chair. Available for variable credit; only 6 credits may be counted toward the history major. (IRR)
Distribution: NLA,UND.

HIST 49700 - International History Internship (1 to 4)
An opportunity for practical experience in a variety of history-related activities under the joint supervision of the Office of International Programs (London Center) and a history department faculty member on the Ithaca College campus. Internships are arranged individually through the Office of International Programs, but must be approved by the chair of the history department. Prerequisites: Three history courses, two of which are at level 3 or above; permission of instructor and chairperson. 1-4 credits. (IRR)
Distribution: NLA.

HIST 49900 - Independent Study: History (1 to 3)
Special research on an individual project arranged by a student with a particular faculty member. The project may include reading books and/or writing papers under the guidance of the faculty member, with a performance expectation of senior-level work. Offered on demand only. Prerequisites: Senior standing, or equivalent. 1-3 credits.
Distribution: LA,UND.

HLTH - Health

HLTH 10200 - Medical Terminology (3)
The language of medicine is explored through study of the structure, use, and pronunciation of medical terms used to describe human anatomy, disease conditions, diagnostic tests, and treatment methods. 3 credits. (F-S,Y)
Distribution: NLA.

HLTH 10500 - Healthy Choices (1)
Promotes healthy lifestyle choices to establish and maintain high levels of wellness and contribute positively to academic and personal achievement. Topics are contemporary issues and situations that college students commonly confront such as substance abuse, weight management, eating disorders, and sexuality. Not open to students who have taken HLTH 11300. Open to first-year students only. 1 credit. (F-S,Y)
Distribution: LA.

HLTH 10600 - Introduction to Health Promotion Professions (3)
Introduces students to the related disciplines and professions of health promotion from historical and contemporary perspectives. Health promotion theories and
models are introduced. Literature, research, issues and scientific foundations are examined. Students will explore the various duties of professionals in these fields as well as the variety of available career options. Prerequisites: Freshman standing or permission of instructor. 3 credits. (F,Y)

Distribution: L.A.

HLTH 11000 - War, Hunger, and Genocide: An International Health Perspective (3)

An investigation of the cost -- human and economic -- of organized violence, including genocide, and the efforts being made to ameliorate or eliminate the devastation. Particular emphasis is placed on the role that can be played by health care professionals who believe that war may be a preventable phenomenon that can be eradicated by traditional public health methods that have triumphed over other major health problems in the past. 3 credits. (S,Y)

Distribution: L.A.

HLTH 11300 - Personal Health (3)

Designed to provide expert knowledge about health and health care that is available to the individual. Emphasizes wellness and health promotion in areas that concern students such as exercise, stress, nutrition, weight management, contraception, intimate relationships, HIV infection, drugs, and alcohol. Prerequisites: Freshman or sophomore standing. 3 credits. (F-S,Y)

Distribution: L.A, NS, TE.

HLTH 12200 - Emergency Health Care (1)

Provides emergency health care instruction in cardiopulmonary resuscitation and first aid. This course is strongly recommended for anyone interested in coaching, teaching, or camping. Successful completion of this course can result in American Red Cross certification in cardiopulmonary resuscitation and basic life support and standard first aid. 1 credit. (F-S,Y)

Distribution: NLA.

HLTH 12300 - Community Cardiopulmonary Resuscitation (CPR) (0 to .5)

Trains individuals to act in emergency situations and to recognize and care for life-threatening respiratory or cardiac emergencies in infants, children, and adults. 0.5 credit. (S,Y)

Distribution: NLA.

HLTH 13000 - Healthy Viewings: Media, Medicine, and Health (3)

Representations of medicine and health in popular culture. The meanings of these representations are studied in relationship to the building of stereotypes, development of policies, and framing of arguments in public discourse.

Course includes extensive screening of examples from the media. 3 credits. (IRR)

Distribution: L.A.

HLTH 13901 - Technology for the Professional Edge (3)

Integration of instructional, communication, assessment, and computer concepts and skills necessary for the use of information technology in diverse physical activity and health settings. Includes introduction to the social and ethical issues inherent in the use of computers in health and school settings. A student may receive credit for only one of the following courses: COMP 11000, EXSS 13900, HLTH 13901. 3 credits. (F-S,Y)

Distribution: LA,TE.

HLTH 14000 - Cyborgs, Clones, and Policy: New Technologies in Health and Medicine (3)

Investigation and analysis of new medical and health technologies in the changing environment of health and medicine and how they affect policies for healing and prevention of illness and disease. Emphasis is given to the discourse of the body as a machine, its impact on health policies, and the effect of new technologies on relationships among health care providers, patients, and their families. Subjects include biotechnology, cloning, the Internet, digital medicine, and eugenics. 3 credits. (S,Y)

Distribution: LA.

HLTH 15200 - Introduction to Health and Physical Education (3)

Introduces students to the related disciplines of health education and physical education in U.S.K-12 public schools and society from historical and contemporary perspectives. Rationales for goals, standards, and national initiatives in each field will be stressed, as well as their relationship to the coordinated school health model. Students will explore the various duties of professionals in these fields as well as the variety of available career options. 3 credits. (F,Y)

Distribution: NLA,TE.

HLTH 20100 - Food and Society (3)

Explores the significance of food in human life across time and across cultures. Examines the relationship of food to sociocultural, psychobiological, and ecological aspects of human life. Determinants of food choices, food systems, and socioeconomic and ecological implications are explored. Students emerge with insight and appreciation for the role of food as a means of self-expression and social exchange. Prerequisite: Sophomore standing. 3 credits (F,Y)

Distribution: LA.

HLTH 20200 - Human Nutrition (3)
An introduction to the field of human nutrition. Includes the study of human nutritional needs and the attainment of health through an adequate diet. Topics such as obesity, sport nutrition, eating disorders, and the use of nutritional supplements are critically reviewed. Issues relating to diet, ethnicity and health, world hunger, nutrition, and disease prevention are explored. The use of a computerized diet analysis database enables students to assess the adequacy of their own diets. Prerequisites: EXSS 12000, BIOL 11500, BIOL 11900, BIOL 12100, CHEM 11100, or CHEM 12100; sophomore standing. 3 credits. (F-S,Y)

Distribution: 1,LA,NS.

HLTH 20300 - Consumer Health (3)

This course prepares students to understand health care from the consumer's perspective, including understanding the role of consumer theories, health behavior models, and the attitudes and activities of consumers in the health care industry. The philosophy and language of consumerism and the social, political, and ethical implications of consumerism in health are explored. The implications for policy and practice of the use of the consumerism model in health care are examined. Attention is given to existing research and theoretical models of insurance concepts, the individual purchase of health care, and newer consumer trends such as self-diagnosing, purchasing health products via the Internet, and the whole-scale industry movement toward consumer-directed health care. 3 credits. (F,Y)

Distribution: LA.

HLTH 20500 - Critical Health Issues (3)

Examination of the health workforce, medical education, medical specialization, the rising cost of care, voluntary and governmental health insurance, health care delivery systems, and health care for the poor. 3 credits. (F-S,Y)

Distribution: 1,LA,SS,TE.

HLTH 21100 - Health and Safety Needs of School-Age Children (3)

Information about the most prevalent health and safety issues in the lives of school-age children for students who are preparing to become teaching professionals. Both the etiology of risk behaviors and factors that promote resiliency are examined through a critical multicultural lens, at the individual, classroom, school, and community levels. Skills such as early identification of problems, making a referral, and other legal and ethical responsibilities are developed. Strategies for development of a healthful classroom and school environment are discussed. Prospective teachers learn to be advocates for healthy growth and development. Prerequisites: Sophomore standing. 3 credits. (F,Y)

Distribution: LA,SS.

HLTH 21300 - Wellness: Multicultural Perspectives on Health and Healing (3)

An overview of the dynamic nature of the wellness movement. Its historical, social, political, cultural, and economic variables are critically examined. A wide range of wellness modalities, including those that fall under manual, mind-body, herbal, movement, and bioelectrical fields of practice, are included. Cross-cultural paradigms of health and healing are examined and compared. Prevention of chronic disease and health promotion are integrated into the concept of wellness, and disease etiologies and treatments are presented from multiple perspectives. The implications of and opportunities for prevention specialists in schools and communities are emphasized. Prerequisites: Sophomore standing. 3 credits. (F-S, Y)

Distribution: LA,TE.

HLTH 22400 - Emergency Health Care Instructor (2)

Training for entry-level instructors of American Red Cross cardiopulmonary resuscitation (CPR) for the professional rescuer, of community CPR, and of community first aid and safety. During the semester, students are required to complete the instructor candidate training segment that is offered at a time designated by the instructor. Includes teaching methods, materials, and practice. Prerequisites: Current American Red Cross CPR for the professional rescuer, community CPR, and community first aid and safety certificates. 2 credits. (F-S, Y)

Distribution: NLA.

HLTH 22600 - Health Communication (3)

Introduction to the study of health communication, including its origins, development, and status. Introduction to theories of health behavior and communication and to how they relate to one another in practice. Examination of communication between health professionals and clients and of the role media play in the health care industry and the delivery of health services. Cross-listed with CMST 22600. Credit may not be granted for this course and CMST 22600. Prerequisites: Sophomore standing or above. 3 credits. (F,Y)

Distribution: LA,SS.

HLTH 22700 - Stress: Its Nature and Management (3)

Overview of the nature and physiology of stress and techniques used to manage stress. Topics include stress physiology, social engineering, cognitive restructuring, conflict resolution, time management, self-help techniques, nutrition, exercise, and relaxation techniques such as meditation, progressive relaxation, and autogenic training. Prerequisites: Any level-1 psychology course or one HLTH course. 3 credits. (F-S,Y)

Distribution: 1,LA,TE.

HLTH 22800 - Human Sexuality (3)

Promotes a critical perspective of contemporary issues associated with human sexuality. The importance of
healthy behavioral practices and responsible decision making concerning sexuality is emphasized. Content areas include contraception and birth control, pregnancy and childbirth, sexually transmitted infections, gender and gender roles, ethnicity and sexuality, sexual anatomy and physiology, sexual response, sexual expression, sexual orientation, relationships, and sexuality over the life span. Prerequisites: Sophomore standing. 3 credits. (F-S, Y)

Distribution: 1,LA,SS.

HLTH 22900 - Disease and Lifestyle (3)

Focuses on the leading causes of morbidity and mortality in the world, with an emphasis on the United States. Emphasis is on health promotion through awareness of risk factors associated with these diseases. Topics reviewed include etiology, symptoms, morbidity and mortality rates, prevention, and commonly used methods of diagnosis and treatment. The course will include opportunities for hands-on learning and skill development in best practice screening techniques that are used in primary care settings (e.g., blood pressure, cholesterol, glucose monitoring). Prerequisites: Sophomore standing. 3 credits (F-S, Y).

Distribution: 1,LA.

HLTH 24000 - Health Promotion and the Older Adult (3)

Health promotion and prevention strategies that allow people to extend and improve the quality of their lives. Through an interdisciplinary approach, health-related factors that affect older persons as they age are studied. Prerequisites: HLTH 11300 or GERO 10100. 3 credits. (IRR)

Distribution: 1,LA.

HLTH 25000 - International Health Issues (3)

Study of public health and health care issues across national borders and how they affect the entire globe, including the future health of the planet. Public health and health care delivery in certain nations are also studied. Prerequisites: One social science course. 3 credits. (IRR)

Distribution: LA.

HLTH 30100 - Lifecycle Nutrition (3)

Explores an ecological perspective on nutrition. Examines the unique needs and concerns of each stage of the human lifespan, including prenatal, infant, child, adolescent, adult, older adult, pregnancy, and lactation. Students examine nutritional issues that are relevant to healthy growth and development, disease prevention, and optimal well-being at all ages. Prerequisites: HLTH 20200. 3 credits (F,Y)

Distribution: LA.

HLTH 30300 - Nutritional Care and Therapeutics (3)

Provides overview of role of nutrition professional as a member of the health care team. Students explore best practice techniques for nutrition assessment and health diagnoses; theoretical models of nutrition behavior and intervention; guidelines for client education, monitoring, and documentation; and frameworks of nutrition practice within allopathic, complementary, and alternative health care models. Nutritional supplement use and diet planning are explored via case study. Students critically analyze the development, effect, method, application, and efficacy of nutritional models. Prerequisites: HLTH 22900, HLTH 30100. 3 credits (F,Y)

Distribution: NLA.

HLTH 30400 - Economics of Health Care (3)

Peculiar economic characteristics of the health care industry. Supply of and demand for health care services; causal and remedial forces of institutionalized frameworks, market mechanisms, and governmental intrusions. Analysis of pricing in terms of the above forces and productivity. Ideal economic characteristics of medical insurance, as contrasted with several proposals for national health insurance. Production for national health insurance. Production function, cost-effectiveness, and benefit-cost analysis. Cross-listed with ECON 30400; students cannot receive credit for both ECON 30400 and HLTH 30400. Prerequisites: ECON 12100-ECON 12200; two courses in humanities, social sciences, or business. 3 credits. (S,Y)

Distribution: LA,SS.

HLTH 30500 - Community Nutrition: Global Perspectives (3)

Explores function of community nutrition including monitoring, assessment, and the role of nutrition in health disparities. Students learn to plan interventions and evaluate programs. Prerequisites: HLTH 20200. 3 credits (S,Y)

Distribution: NLA.

HLTH 30600 - Counseling for the Health Professions (3)

Theory and application of health counseling with focus on health behavior change, disease and wellness. Explores factors associated with the direction of advice and decision making in the development and maintenance of individual health and wellness. Provides means for incorporating positive health practices, courses of action, and guidance in health promotion programs, health care encounters, and health education. Course draws on base of health content and theory courses to develop a core set of career-specific useable skills. Prerequisites: HLTH 21300, HLTH 22900, and junior standing. 3 credits. (S, Y)

Distribution: NLA.

HLTH 31500 - Family Health Problems (3)

Theory and research on family composition and its dynamic nature are critically examined with research and surveillance data on youth and families. Issues of identity, gender, race, class, sexual orientation, socioeconomic
status, and community are related to family health. Preference is given to health education and physical education majors. Prerequisites: Major or minor; junior standing. 3 credits. (S, Y)

Distribution: LA, SS.

HLTH 31600 - Health Research and Analysis (3)

Theoretical and philosophical bases for conducting research in health. Identifies and utilizes research methods in social and behavioral sciences, including quantitative, qualitative, and epidemiological methodologies. The objective is to assist students in the development of active skills, which include identifying key research issues in health, working through their analysis, and understanding the intellectual, practical, ethical, and political implications of different methods of research in health. Prerequisites: MATH 14500, MATH 15500, or MATH 21600; HLTH 20500 or HLTH 21300; and junior standing. 3 credits. (F, Y)

Distribution: LA, SS, TE.

HLTH 31700 - Community Health (3)

Provides an overview of community development strategies most frequently used in health promotion and health education programs. Emphasis is placed upon the processes of community organizing and developing critical awareness/consiousness as educational methods in public health. The course is designed to provide students with theoretical foundations, methods, and skills essential to professional community health education practice. Prerequisites: HLTH 21300 and junior standing. 3 credits. (F, Y)

Distribution: LA, TE.

HLTH 32100 - Financial Aspects of Health Care Management (3)

Application of current finance theory with the tools used in day-to-day practice by health care managers. Topics include unique aspects of health care financial management, the basic principles of financial planning, budgeting and control in health care organizations, capital budgeting, the risk-free tradeoff, and the cost of capital and capital structure decisions in health care. Emphasis is on developing skills to compare and contrast various types of organizations and to choose the appropriate financial control system that best reflects the mission of the organization by using techniques of flexible budget variance analysis, cost prediction simulation, and discount rates for capital expenditure analysis. Students develop a systematic approach to financial analysis and emerge with skills to apply techniques for planning, forecasting, and managing, and to evaluate and recommend improvements in a health care organization's financial performance. Prerequisites: MATH 10700, MATH 10800, or MATH 11100; MATH 14400 or MATH 24400; ACCT 22600. 3 credits. (F, Y)

Distribution: NLA, TE.

HLTH 32600 - Health Planning and Administration (3)

Integrates general management principles with strategic planning in health care organizations. Data systems, forecasting, and problem identification and analysis are explored, along with the stages of strategic planning. Emphasis is placed on identifying strategic issues in complex environments and formulating realistic responses. Students prepare actual applications for new programs to regulatory agencies. Prerequisites: HLTH 20500 and one GBUS or MGMT course. 3 credits. (S, Y)

Distribution: NLA, TE.

HLTH 33000 - Health Promotion in the Workplace (3)

Development of a hierarchy of program needs and objectives for worksite health promotion. Students design needs-assessment instruments and develop work programs based on the needs identified by the population surveyed. The course also addresses issues surrounding program evaluation. Prerequisites: PSYC 33400, HLTH 11300, or MKTG 31200. 3 credits. (S, Y)

Distribution: NLA.

HLTH 33300 - Development and Evaluation of Health Programs (3)

Prepares students with background information on how to design, implement, and evaluate health education and health promotion programs. "Quality of life" issues are evaluated to establish links between social problems and specific health problems. Several methods are employed to evaluate these programs. Prerequisites: Junior standing and HLTH 10600 or HLTH 15200; at least two HLTH 20000 level courses. 3 credits. (F, Y)

Distribution: NLA, TE.

HLTH 33510 - Legal and Ethical Issues in Health Policy (3)

An examination of legal and ethical issues related to health care. Topics include the equitable distribution of scarce resources, the relationship between individual consumers and powerful (frequently for-profit) third-party payers, and the government's role at all levels in regulating health care and protecting the public from potentially fraudulent or abusive providers. Prerequisites: PHIL 21200 or PHIL 23000; HLTH 20500. 3 credits. (F, Y)

Distribution: LA, TE.

HLTH 34900 - Fieldwork in Health (.5 to 6)

Practical experiences in public, voluntary, or commercial health agencies. Provides the opportunity to become involved in various agency functions. Prerequisites: Junior standing; permission of department chair. 0.5-6 credits. Repeatable up to 12 times within the 1-6 credits restriction. (F-S, Y)

Distribution: NLA, TE.
HLTH 34901 - Fieldwork in Health (.5 to 6)
Practical experiences in public, voluntary, or commercial health agencies. Provides the opportunity to become involved in various agency functions. Prerequisites: Junior standing; permission of department chair. 1-6 credits. (F-Y)
Distribution: NLA.

HLTH 35000 - Drug Use and Abuse (3)
Promotes critical thinking about many implications of the use of mind-altering drugs within our society. An interdisciplinary approach is used to study aspects of social, cultural, mental, emotional, physical, and spiritual health related to drugs, society, and human behavior. Course content includes, and is not limited to, alcohol, tobacco, legal and illegal substances. Prerequisites: Junior standing. 3 credits. (F,Y)
Distribution: LA,SS.

HLTH 36000 - Curriculum and Materials in Health Education (3)
Examination of the philosophical, theoretical, and practical aspects of curriculum development related to health program planning. Consideration is given to curricular scope and sequence. Students demonstrate their ability to develop unit plans, block calendars, and lesson plans. Existing prepackaged curriculum models are evaluated. Prerequisites: PSYC 21010; 9 credits in HLTH xxxxx courses. 3 credits. (F-S,Y)
Distribution: NLA,SS,TE.

HLTH 36100 - Front-Page Public Health: Policy and Epidemiology (3)
History and theories of the public health perspective. Detailed analysis of major contemporary public health issues in the context of political, economic, and social factors. Theories and uses of epidemiology as a descriptive, analytical, and political tool of public health. Community, regional, national, and/or international public health policies are studied. Attention is paid to current public health issues in the news. Prerequisites: Two courses in the social sciences; one course in mathematics in math placement group 1, 2, or 3. 3 credits. (F,Y)
Distribution: LA,SS.

HLTH 39900 - Selected Topics in Health (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
Distribution: LA,NLA.

HLTH 39902 - Selected Topics in Health (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
Distribution: LA,NLA.

HLTH 39903 - Selected Topics in Health (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
Distribution: LA,NLA.

HLTH 39904 - Selected Topics in Health (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
Distribution: LA,NLA.

HLTH 39905 - Selected Topics in Health (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
Distribution: LA,NLA.

HLTH 39906 - Selected Topics in Health (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
Distribution: LA.

HLTH 40100 - Nutrition Proseminar (3)
Capstone course in the nutritional sciences allows students to practice philosophical and practical synthesis of the study of nutritional sciences. Students combine their knowledge and experience to critically analyze and discuss nutritional issues from nutrition research to the translation
of policy into practice. Prerequisites: HLTH 30300, HLTH 30500. 3 credits (S,E)

Distribution: NLA.

HLTH 42000 - Teaching Strategies in Health Education (3)

Designed for prospective health educators as a comprehensive background for health instruction in elementary, secondary, and community settings. Students acquire the knowledge and skills necessary to plan, deliver, and assess learning experiences and activities incorporating strategies that target multiple intelligences, learner diversity, cooperative education, curriculum integration, and skill acquisition as they relate to health education. Prerequisites: HLTH 33300 or HLTH 36000. 3 credits. (F,Y)

Distribution: NLA.

HLTH 43900 - Tests and Measurement in Health Education (3)

Prepares class members to assess student learning in K-12 health education settings. Through a combination of lecture, labs, discussion, and field-based activities, opportunities are provided to understand and apply current educational testing and evaluation procedures. Course content includes study of the criteria for selection of tests, application of statistical procedures, construction and analysis of assessment tools, procedures for classification and grading of students, and program assessment techniques. Credit will not be granted for both this course and PHED 43900. Prerequisites: PHED 33200, HLTH 33300, or HLTH 36000. 3 credits. (F,Y)

Distribution: NLA,TE.

HLTH 44100 - Student Teaching in Health Education (10)

Observation and supervised student teaching. Assignment to approved cooperating schools full-time for one semester in the senior year. Required of all students preparing to teach health education in elementary or secondary schools. Prerequisites: Current American Red Cross CPR and first-aid card; PSYC 21010; HLTH 42000; EDUC 34000. 10 credits. (F,S,Y)

Distribution: NLA,TE.

HLTH 44200 - Critical Assessment of Nutrition Programs (3)

Assessment of nutrition programs in different settings -- worksites, food assistance programs, supermarkets, community weight control programs, national education programs -- as well as assessment of nutrition programs for the individual. Emphasis is placed on the development and implementation of tools useful for assessment throughout the life cycle. Prerequisites: HLTH 20200; HLTH 30200, HLTH 32200, HLTH 33300, or HLTH 34900. 3 credits. (S,E)

Distribution: NLA.

HLTH 44400 - Leadership and Health Promotion (3)

Explores the interconnected nature of leadership operating within the synergy of perspectives involved in health promotion. Examination of collective and interdisciplinary theories and approaches to problem solving, relationship building and transformation in health promotion. Leadership is explored through directed inquiry of case studies. Challenges to promoting health in individuals, communities, and society are considered. Prerequisites: HLTH 33510 or HLTH 31600. 3 credits. (S,Y)

Distribution: LA.

HLTH 44500 - Student Teaching in Health Education (dual major) (5)

Observation and supervised student teaching. Assignment to approved public schools full-time for a half semester in the senior year. Experience in structured observation, classroom assisting, and direct instruction; additional experience in planning, conferencing, and related school duties outside regular class periods. Individual conferences are held with Ithaca College supervisors of field experiences. Required of all dual health education and physical education majors. Prerequisites: Current American Red Cross CPR and first-aid card; PSYC 21010; HLTH 36000; HLTH 42000; EDUC 34000. 5 credits. (F-S,Y)

Distribution: NLA,TE.

HLTH 44800 - Seminar in Health Education (2)

An opportunity for student teachers or internship participants to analyze and discuss individual and general problems related to their experiences. Current trends and issues confronting the prospective health education professional, such as issues regarding changes in the profession, teaching credentials, and job opportunities, are also addressed. Corequisites: HLTH 44100 or HLTH 44900. 2 credits. (F-S,Y)

Distribution: NLA,TE.

HLTH 44900 - Internship in Health (6 to 12)

Supervised, full-time experience in a health agency during the summer or regular academic semester. Content of internship should reflect the student's concentration area (i.e., gerontology, substance abuse services, worksite health promotion, nutrition, or PIC). Prerequisites: Current American Red Cross CPR and first aid card; junior or senior standing; permission of department chair. 6-12 credits. (F-S,Y)

Distribution: NLA.

HLTH 44901 - Internship in Health (6 to 12)

Supervised, full-time experience in a health agency during the summer or regular academic semester. Content of internship should reflect the student's concentration area (i.e., gerontology, substance abuse services, worksite
Addresses the issues of ethnicity, culture, and race as they relate to health. Examines a variety of intercultural issues, including power and oppression, and how they affect the lives of children, adults, and families living in the United States. Prerequisites: HLTH 31700, HLTH 33510. 3 credits. (S, Y)

Distribution: LA.

HPS - Health Policy Studies

HPS 39910 - Selected Topics in Health Policy (1 to 3)
Detailed study of contemporary health policy issues. Topics change to reflect trends in health policy and the interests and needs of students and faculty. Topics such as international health policy, women’s health policy, and children’s health policy are explored. Exploration of new areas of study or a substantial extension of topics as developed in the health policy curriculum. May be repeated for a total of up to 6 credits. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: LA.

HPS 49510 - Special Topics in Health Administration (1 to 3)
Detailed study of contemporary health administration issues. Topics change to reflect current and future trends in health administration and the interests and needs of students and faculty. May be repeated for total of up to 6 credits. Prerequisites: HPS38700; permission of the instructor. 1-3 credits. (IRR)

Distribution: LA.

HRM - Human Resource Management

HRM 30200 - Applied Ethical Issues in Management (3)
Examines concepts, issues, and tools related to the management of business ethics in organizations. Analysis of ethical problems and application of a process of moral decision making to ethical problems in business. Examination of ethical, social, and political issues confronting modern organizations from internal and external stakeholders’ viewpoints. Prerequisites: GBUS 20300; junior standing. 3 credits. (Y)

Distribution: LA.

HRM 34000 - Human Resource Management (3)
This survey course provides an overview of human resource policies and procedures within the context of managerial decision making in organizations. Primary topics include human resource planning and analysis, equal employment opportunity, staffing, human resource development, compensation and benefits, health and safety, and labor-management relations. Prerequisites:
Three courses in business or social sciences; junior standing. 3 credits. (F, Y)

Distribution: NLA.

HRM 35000 - Labor Relations (3)

Study of the relationships between unions and employers, including various aspects of labor history, law, and collective bargaining. Additional emphasis is on public sector unionism; unionism in Europe; the changing nature of labor-management relations in the United States as a result of global competition and the internationalization of markets; and patterns of union resistance and preventive labor relations strategies. Prerequisites: Three courses in business or social science; junior standing. 3 credits. (IRR)

Distribution: NLA.

HRM 39700 - Selected Topics in Human Resource Management (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

HRM 44400 - Employment Law (3)

A survey of employment law, including employment discrimination, equal pay, workers' compensation, occupational safety and health, and relevant judicial decisions. Prerequisites: GBUS 20300; junior standing. 3 credits. (Y)

Distribution: NLA.

HRM 49700 - Selected Topics in Human Resource Management (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

HRM 49900 - Independent Study: Human Resource Management (1 to 3)

A variable amount of credit may be earned toward the degree. To qualify, students must have a 3.00 cumulative grade point average and must have completed at least 6 credits in the subject matter. Guidelines are available at the School of Business office. 1-3 credits. (F-S,Y)

Distribution: NLA.

INTB - International Business

INTB 10300 - Minicourses in International Business (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

INTB 10301 - Minicourses in International Business (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

INTB 10302 - Minicourses in International Business (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

INTB 10303 - Minicourses in International Business (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

INTB 26500 - International Business Operations (3)

A survey of the major functional areas of managing international business operations. Emphasis is on how decisions are influenced by cultural, economic, financial, marketing, administrative, and legal conditions. Prerequisites: ECON 12100 and ECON 12200; sophomore standing. 3 credits. (F,Y)

Distribution: 1,G,NLA,UND.

INTB 36000 - International Management of Human Resources (3)

Discussion of structural, cultural, and legal implications of human resource management in multinational companies. Topics include different organizational structures for international operations and how firms from different nations manage their staffing, training and development, performance appraisal, compensation, and labor relations. Prerequisites: HRM 34000, junior standing. 3 credits. (IRR)

Distribution: NLA.

INTB 39700 - Selected Topics: International Business (1 to 3)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

INTB 39701 - Selected Topics: International Business (1 to 3)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

INTB 39800 - Field Experience: International Business (0)

Off-campus experience requiring a minimum of 35 hours of work in an organization, designed to give students practical work experience in their field of specialization. Students should contact the internship coordinator for registration information and application. Prerequisites: INTB 26500; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

INTB 48000 - Export-Import Operations (3)

Overview of the major considerations involved in the export-import process. Exploration of documentation, transportation, marketing, and finance of export and import operations. Discussion of legal aspects and legislative constraints confronting exporters and importers, along with governmental support programs, where available. Concentrates on the relevant issues in exporting from and importing into the United States; parallel examples from other countries are given where information is available. Prerequisites: INTB 26500 or INTB 38000; junior standing. 3 credits. (IRR)

Distribution: NLA.

INTB 49000 - Overview of the Major Considerations in the Export-Import Process (3)

A capstone course in international business that analyzes a number of cases using knowledge and skills from previous courses in international business or those with a global/comparative content. The main objective is to develop a clear understanding of problems and practices of decision making in international business operations. Prerequisites: INTB 26500 and any three-credit level-3 or higher INTB; FINA 37000, GBUS 31000, or MKTG 38000; senior standing. 3 credits. (S,Y)

Distribution: NLA.

INTB 49700 - Selected Topics: International Business (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA, UND.

INTB 49800 - Internship with Academic Enhancement (3)

Off-campus experience involving varied, nonroutine work projects designed to allow students to synthesize academic theory with real-world operations of an organization. Primary responsibility is on the student to develop a project proposal and then carry out its requirements in conjunction with a faculty sponsor. Internship credit falls under the business elective category in the degree requirements. A maximum of 6 credits may be earned in any combination of internship (ACCT/FINA/INTB/MGMT/MKTG/MGMT 49800) and GBUS 39800. Prerequisites: Senior standing; completion of appropriate principles course; a minimum cumulative GPA of 2.70; Business-Link Professions Themes I, II & III; completion of School of Business internship application and permission of instructor. Pass/fail only. 3 credits. (F, S, SUM, W)

Distribution: NLA.

INTB 49900 - Independent Study: International Business (1 to 3)

A variable amount of credit may be earned toward the degree. To qualify, students must have a 3.00 cumulative grade point average and must have completed at least 6 credits in the subject matter. Guidelines are available at the School of Business office. 1-3 credits. (F-S,Y)

Distribution: FA, NLA.

ITAL - Italian

ITAL 10100 - Elementary Italian I (0 to 3)

Beginning course. Practice in understanding, speaking, reading, and writing simple idiomatic Italian, with special attention to Italian culture. Emphasizes participation and self-expression. Open to students with no previous Italian, or by placement examination. 3 credits. (F-S,Y)

Distribution: 3A, G, HU, LA.

ITAL 10200 - Elementary Italian II (0 to 3)

Continuation of ITAL 10100. Limited to students who have successfully completed ITAL 10100 with a grade of C- or better, or by placement examination. Prerequisites: ITAL 10100 or equivalent. 3 credits. (F-S,Y)

Distribution: 3A, G, HU, LA.

ITAL 20100 - Intermediate Italian I (3)

Develops intermediate-level proficiency in speaking, listening, reading, and writing Italian. Special emphasis is given to Italian culture. Prerequisites: ITAL 10200 with a grade of C- or better. 3 credits. (F-S,Y)

Distribution: 3A, G, HU, LA.

ITAL 20200 - Intermediate Italian II (3)

Continuation of ITAL 20100. Develops intermediate-level proficiency in speaking, listening, reading, and writing Italian. Special emphasis is given to Italian culture. Prerequisites: ITAL 20100 with a grade of C- or better. 3 credits. (F-S,Y)
ITAL 20500 - Italy: Language and Culture (3)
A three-week study abroad course that emphasizes learning Italian language skills, with an overview of the history and culture of Italy. The course will be based in Siena, Italy, with brief visits to other cities, including Florence, Venice, and Rome. The course includes a conversationally based Italian class and on-site sessions devoted to learning about the culture and civilization of Italy. Students will incur additional costs. Prerequisites: ITAL 10100 or the equivalent; application through the Office of International Programs. 3 credits. (Sum,IRR)

Distribution: 3A,G,HU,LA.

ITAL 27000 - Inferno to Infinity: Italian Literature in Translation (3)
An overview of Italian literature from the Middle Ages through modernity, through a study of principal works of major authors and representative works of various periods. Readings and all class activities are in English. Prerequisites: Two courses in the humanities. 3 credits. (IRR)

Distribution: G,H,HU,LA.

ITAL 29900 - Independent Study: Italian (1 to 3)
Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: Permission of instructor and chairperson. 1-3 credits. (IRR)

Distribution: LA,UND.

ITAL 32300 - Parliamo! Italian Conversation (3)
Extensive oral practice using selected topics as a basis for conversation, discussion, and presentation of short talks. Prerequisites: ITAL 20200 with a grade of C- or better, or equivalent. 3 credits. (IRR)

Distribution: 3A,G,HU,LA.

ITAL 32400 - Conversazione e Cultura (3)
Extensive oral practice with a focus on Italian culture for conversation, discussion, and presentation of short talks. Prerequisites: ITAL 20200 with a grade of C- or better, or equivalent. 3 credits. (IRR)

Distribution: 3A,G,HU,LA.

ITAL 32800 - Practice in Reading and Writing in Italian (3)
Develops spoken and written communication skills at the third-year level. Reading and discussion of contemporary material. Writing practice with an emphasis placed on developing grammar skills. Laboratory exercises. Prerequisites: ITAL 20200 with a grade of C- or better. 3 credits. (IRR)

Distribution: 3A,G,HU,LA.

ITAL 33000 - The Italian Americans (3)
This course examines the experience and assimilation of Italian immigrants to the United States. It will explore general themes: the conditions in southern Italy that compelled Italians to emigrate; the role of the family; the effects of prejudice; Italian-American women; portrayals of popular culture; the future of Italian-Americans. Taught in English. Prerequisites: Three courses in the humanities. 3 credits. (IRR)

Distribution: G,H,HU,LA,SS.

ITAL 34000 - Italian Contemporary Culture (3)
This course introduces students to Italian contemporary art, popular music, literature, cinema, social and regional differences, politics, traditional festivities, mass media, and regional cuisine. Students will practice speaking, reading, comprehension, and writing by discussing and analyzing selected materials and Italian newspapers. The course will be conducted in Italian. Prerequisites: ITAL 32300, ITAL 32400, or ITAL 32800. 3 credits. (IRR)

Distribution: 3A,G,HU,LA.

ITAL 35000 - Italian Culture through Cinema (3)
This course is intended to introduce students to the language, culture, history, and changing social issues depicted by Italian cinema of the past four decades. Special attention will be paid to the integration of films with close reading, discussion, and analysis of literary and cinematic texts that address such issues as national identity, immigration and emigration, the rise and fall of Fascism, the new republic, the north/south question, and contemporary regional cultural differences. The course, moreover, affords extensive practice in speaking, reading, comprehension, and writing in Italian. Prerequisites: ITAL 20200. 3 credits. (IRR)

Distribution: HU,LA.

ITAL 36500 - Nineteenth- and Twentieth-Century Italian Literature (3)
A study of selected literary works by key authors from the late 19th through the 20th centuries. Readings may include novels, plays, and short stories by writers such as Verga, Pirandello, and Calvino. Taught in Italian. Prerequisites: One level-3 Italian course taught in Italian, or equivalent. 3 credits. (IRR)

Distribution: 3A,G,HU,LA.

ITAL 37000 - Love, Lust, and the Black Death: Boccaccio's Decameron (3)
A study of Giovanni Boccaccio's masterpiece: a collection of short stories written at the dawn of the Renaissance and shadowed by the devastation of the plague. The tales encompass a wide range of themes from tragic to comic and heroic to vulgar, providing ample material for discussion of Italian culture and literature in both historical
and contemporary contexts. Taught in Italian.
Prerequisites: One level-3 Italian course except ITAL 33000. 3 credits. (IRR)
Distribution: HU, LA.

ITAL 37500 - Images of Hell: Dante's Inferno (3)
This course studies Dante Alighieri's Divina Commedia: Inferno in the original Italian. This text, written 700 years ago, played a critical role in shaping the language and literature of Italy. The course includes explorations of the profound and lasting influence of Dante's work on literature, art, and culture in Italy and beyond. Taught in Italian. Prerequisites: One level-3 Italian course except ITAL 33000. 3 credits. (IRR)
Distribution: HU, LA.

ITAL 38000 - Selected Topics in Italian Literature and Culture (3)
Study of a genre, time period, group of authors, or single major writer. Students may only take two selected topics courses, for a total of 6 credits. Taught in Italian.
Prerequisites: Two Italian courses at level 3, or equivalent. 3 credits. (IRR)
Distribution: 3A, G, HU, LA.

ITAL 38001 - Selected Topics in Italian Literature and Culture (3)
Study of a genre, time period, group of authors, or single major writer. Students may only take two selected topics courses, for a total of 6 credits. Taught in Italian.
Prerequisites: Two Italian courses at level 3, or equivalent. 3 credits. (IRR)
Distribution: HU, LA.

ITAL 38002 - Selected Topics in Italian Literature and Culture (3)
Study of a genre, time period, group of authors, or single major writer. Students may only take two selected topics courses, for a total of 6 credits. Taught in Italian.
Prerequisites: Two Italian courses at level 3, or equivalent. 3 credits. (IRR)
Distribution: HU, LA.

ITAL 38003 - Selected Topics in Italian Literature and Culture (3)
Study of a genre, time period, group of authors, or single major writer. Students may only take two selected topics courses, for a total of 6 credits. Taught in Italian.
Prerequisites: Two Italian courses at level 3, or equivalent. 3 credits. (IRR)
Distribution: HU, LA.

ITAL 38004 - Selected Topics in Italian Literature and Culture (3)
Study of a genre, time period, group of authors, or single major writer. Students may only take two selected topics courses, for a total of 6 credits. Taught in Italian.
Prerequisites: Two Italian courses at level 3, or equivalent. 3 credits. (IRR)
Distribution: HU, LA.

ITAL 39900 - Independent Study: Italian (1 to 3)
Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: ITAL 32300, ITAL 32400, or equivalent; permission of instructor and chairperson. 1-3 credits. (IRR)

Distribution: LA, UND.

ITAL 49900 - Independent Study: Italian (1 to 3)

Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: ITAL 32300, ITAL 32400, or equivalent; permission of instructor and chairperson. 1-3 credits. (IRR)

Distribution: LA, UND.

JAZZ - Jazz Studies

JAZZ 16100 - Survey of Jazz History (2)

A one-semester course for non-music majors and music majors. The study of jazz history from 1890 to the present, with much required listening and reading outside class. Origins, blues, New Orleans Dixieland, Chicago Dixieland, ragtime, boogie woogie, swing, bebop, cool, funky, and eclectic era (i.e., free jazz, third stream, contemporary, big bands, jazz-rock fusion, advancements in improvisation, and electronics). This course is required for jazz studies majors and may be used as a music elective for other bachelor of music degrees. 2 credits. (F)

Distribution: 3B, FA, H, LA.

JAZZ 16500 - Basic Music Calligraphy (1)

Use of the copying pen; laying out the work for easy page turns and readability; copying parts from both concert and transposed scores; writing piano parts; correcting arranger's or composer's mistakes; special problems with rhythm-section instruments; proper writing in all clefs; proper use of notation; lettering; titles; fixing mistakes; flags; rests; dots; note heads and stems; beams; ledger lines; time and key signatures; accidentals; dynamics, slurs, ties, and other articulations; shorthand and short cuts; tremolos; instrument cues; multi-copying lyrics; many copying projects throughout the semester, including copying all the parts for a complete large jazz band orchestration. 1 credit. (F, IRR)

Distribution: NLA.

JAZZ 16600 - Jazz Piano I (1)

Classroom instruction in functional jazz keyboard; open voicings of 7th, 9th, and 13th chords beginning with ii-V-I progressions in major and minor keys; rootless close voicings; basic comping techniques and patterns; melodic improvisation; interpreting a lead sheet; the blues; jazz styles; solo piano. The course focuses on interpretation and performance of standard pieces from the jazz repertoire through individual keyboard application in a class setting.

Prerequisite: PFSM 17200 and MUTH 12200/12201. 1 credit. (F-S)

Distribution: NLA.

JAZZ 16700 - Jazz Piano II (1)

A continuation of JAZZ 16600 to prepare the student for a variety of performance situations and voicings; comping styles; walking bass; technique for soloing and chord substitutions; solo piano styles; contemporary jazz styles. As in Jazz Piano I, the course focuses on interpretation and performance of standard jazz pieces through individual keyboard application in a class setting. Prerequisites: JAZZ 16600. 1 credit. (S)

Distribution: NLA.

JAZZ 17000 - Jazz Private Study I, major instrument (2)

Private study in jazz for Jazz Studies majors only. Students take 2 semesters of JAZZ 17000 for 2 credits, each semester. Corequisite: JAZZ 19900. 2 credits. (F-S)

Distribution: NLA.

JAZZ 17001 - Jazz Private Study I, minor instrument or concentration (1)

Private study in jazz. For Jazz Studies majors and concentrations only. Jazz Studies majors take 2 semesters of JAZZ 17001 for 1 credit, each semester. 1 credit. (F-S)

Distribution: NLA.

JAZZ 19900 - Jazz Repertoire and Pedagogy (0.5)

Students meet weekly as a group with their jazz study teacher(s) to perform repertoire and discuss performance technique and pedagogy. Pass/Fail only. 0.5 credit. (F, S)

Distribution: NLA.

JAZZ 20000 - Jazz Theory and Aural Training I (1)

Introduces and vigorously drills jazz chords and chord symbol notation, modes, scales, chord-scale relationships, and jazz forms. Activities will include transcribing and performing; students will be required to bring their instruments to each class. Prerequisites: MUTH 10100 or MUTH 10101. 1 credit (F-S-B)

Distribution: FA, LA.

JAZZ 20100 - Jazz Theory and Aural Training II (1)

Introduces and vigorously drills advanced jazz chords and chord symbol notation, modes, scales, chord-scale relationships, and jazz forms. Activities will include transcribing and performing; students will be required to bring their instruments to each class. Prerequisites: JAZZ 20000. 1 credit. (F-S-B)

Distribution: FA, LA.

JAZZ 21000 - Jazz Standards and Literature I (2)
Introduces the jazz standard repertoire critical to functioning as a musician in a jazz combo. Memorizing the melodies, chord progressions, and improvising on the songs in all 12 keys will be the primary activities. There will also be a transcription assignment, where each student will be required to transcribe an improvised solo by a major jazz artist, and present that solo to the class, and play along with the recording. Prerequisites: JAZZ 21000. (2 cr.) (S-O)

Distribution: NLA.

JAZZ 27000 - Jazz Private Study II, major instrument (2)

Private study in jazz for Jazz Studies majors only. Students take 2 semesters of JAZZ 27000 for 2 credits, each semester. Corequisite: JAZZ 19900. Prerequisites: 2 semesters of JAZZ 17000. 2 credits. (F-S)

Distribution: NLA.

JAZZ 27001 - Jazz Private Study II, minor instrument (1)

Private study in jazz for Jazz Studies majors. Jazz Studies majors take 2 semesters of JAZZ 27001 for 1 credit, each semester. Prerequisites: 2 semesters of JAZZ 17001. 1 credit. (F-S)

Distribution: NLA.

JAZZ 31000 - Jazz Standards and Literature II (2)

Introduces more advanced standards and jazz repertoire critical to functioning as a musician in a modern jazz combo. Memorizing the melodies, chord progressions, and improvising on the songs in all 12 keys will be the primary activities. Additionally, students will be required to analyze the composition and improvisation techniques of Charlie Parker and Thelonious Monk. Prerequisites: JAZZ 21000. (2 cr.) (F)

Distribution: NLA.

JAZZ 31100 - Jazz Standards and Literature III (2)

Introduces very advanced jazz standards and repertoire important to functioning as a musician in a modern jazz combo. Memorizing the melodies, chord progressions, and improvising on the songs will be the primary activities of the course. There will also be a transcription assignment, where each student will be required to transcribe and analyze an improvised solo by a major jazz artist on a complex, chromatic tune, present that solo to the class, and play along with the recording. Prerequisites: JAZZ 31000. 2 credits. (S, O)

Distribution: NLA.

JAZZ 32300 - Jazz Arranging I (2)

Jazz arranging for the big band. Chord progressions and harmonic motion; scales that go with chords; triadic and seventh chords; standard cadential formulas; progressions found in basic jazz tunes; transcription; transposition; proper rhythm notation; terminology; instrument ranges; principles of melodic analysis; approach note techniques; four-part close voicings; unisons; open voicings (i.e. "drop two" and "drop two and four"); pads; punch chords; additions to four-way close; five-part saxophone section writing; alternate voicings; rhythm section writing; background line writing; standard formal arrangements of jazz pieces; writing one full arrangement with parts copied for a large jazz ensemble (arrangements must be played to receive credit in the course); score analysis and listening; "shout" chorus; concerted writing; melodic and rhythmic modification. Prerequisite: JAZZ 21000. 2 credits. (F)

Distribution: LA.

JAZZ 32500 - Jazz Arranging II (2)

Writing for small and medium-size jazz ensembles. Review of all major concepts from Jazz Arranging I; discussion of harmony, substitute chords, modulation, and reharmonization; two- and three-part jazz counterpoint; analysis of small-group scores; transcribing tunes from recordings; correction of published sheet music; melody writing and motive development; introductions and turnarounds; expanded use of the rhythm section; background writing; techniques used in developing a melody; formal considerations; assigned listening both in and out of class; one complete medium-size group arrangement. Arrangement must be played to receive credit in the course. Prerequisites: JAZZ 32300. 2 credits. (S)

Distribution: LA.

JAZZ 32600 - Jazz Arranging III (2)

Jazz arranging for the "studio orchestra" (i.e., large jazz ensemble with strings, woodwinds, horns, tuba, and extra percussion). Review of all major concepts from Jazz Arranging I and II; woodwind writing (e.g., clarinet, flute, bass clarinet, bassoon, and oboe); string writing and combining strings with winds; expanded use of the rhythm section; writing for voices in combination with other instruments; the recording studio; percussion writing; writing for French horn and tuba; score analysis and listening; one "studio orchestra" arrangement (perhaps an original composition, with approval of professor). Arrangement must be played to receive credit in the course. Prerequisites: JAZZ 32500. 2 credits. (IRR)

Distribution: LA.

JAZZ 36100 - Jazz Improvisation I (2)

Basic nomenclature; all four-note seventh chords; modes of the major scale as used in improvising; rhythmic motive development; "swing" feeling; even eighth-note feeling; introduction to ii-V and ii-V-I progressions in all major keys; modulating standard and jazz compositions; solo transcriptions; phrase construction; chordal style; linear style; cycles; ear development; basic form of a solo; inside playing in solo improvising; Dorian and Mixolydian mode application. 2 credits. (F)
Distribution: LA.

JAZZ 36300 - Jazz Improvisation II (2)
More advanced harmonic concepts; b9 chords; 11th and 13th chords; review of ii-V-I progressions and resolutions; basic bitonality; formal structures of solos; use of altered scales; Phrygian, Lydian, Aeolian, and Locrian mode application to chord changes; whole tone and diminished scale usage; modes of the ascending melodic minor scale and their usage; bebop style compositions of the 1940s and 1950s; "rhythm changes" and substitute chord usage; bebop devices. Prerequisites: JAZZ 36100. 2 credits. (S,IRR)

Distribution: LA.

JAZZ 36400 - Jazz Improvisation III (2)
Fast tempos; rock style improvisation; chord superimposition; advanced patterns; deceptive cadences; alternate blues changes; turnarounds; advanced bitonality; further application of modes of the ascending melodic minor; more advanced harmonies of songs from the 1960s through 1980s; the Lydian-augmented mode; the Mixolydian flat 13 mode. Prerequisites: JAZZ 36300. 2 credits. (S,IRR)

Distribution: LA.

JAZZ 36600 - Jazz Style Analysis (3)
For music majors (open to selected non-music majors with permission of the instructor). Jazz history from 1945 to the present with required listening and reading outside class. Areas covered include stylistic analysis of contemporary jazz, major representative artists, and the influence of preceding styles on subsequent ones. Aural and theoretical analysis of transcribed solos is included. Course grades are based on quizzes and a final research or creative project. 3 credits. (S,IRR)

Distribution: 3B,H,HU,LA.

JOUR - Journalism

JOUR 11100 - Introduction to Journalism (4)
An introduction to the basic elements of journalism, emphasizing the development of reporting, interviewing, and writing for print, broadcast, and online formats; mastery of Associated Press style; and an introduction to such issues as objectivity, critical thinking, ethics, and libel concerns. 4 credits. (F-S)

Distribution: LA.

JOUR 11200 - Journalism Research (4)
Introduction to paper and computer database research, with an emphasis placed on locating and evaluating sources available to journalists, including public records. Students research a topic and develop interviewing techniques to produce a comprehensive, semester-long research project written in journalistic style. 4 credits. (F-S)

Distribution: LA.

JOUR 21100 - Visual Journalism (4)
Explores the fundamental visual techniques and concepts of multimedia journalism and how verbal and visual messages work together in news reporting. Students will utilize a combination of skills and research to create projects that address traditional and nontraditional beat reporting for print, broadcast, and digital media. Examples are critiqued to lead students toward an ethical and analytical approach to issues of journalistic visual rhetoric. Prerequisites: JOUR 11200. 4 credits. (F-S)

Distribution: LA,UND.

JOUR 21200 - News Reporting and Writing (4)
This course continues on the foundation of News Reporting and Writing I. It explores the techniques used to research and report complex political, social, and economic issues for all media. Students learn advanced strategies for how to investigate the most common areas covered by reporters, including education, zoning and development, crime, legal affairs, public forums and other governmental entities. Advanced writing techniques for various types of news articles, including tight deadline reporting and writing, are also taught. Strategies are developed for individual reporting projects in print, broadcast, and digital media. Published examples are critiqued to lead students toward an ethical and analytic approach to public affairs reporting. Prerequisites: JOUR 21100. 4 credits. (F-S)

Distribution: LA.

JOUR 21300 - Journalism Ethics (3)
An introduction to ethics in journalism, designed to develop responsible, professional attitudes and practices by applying a range of analyses to issues. Examines classic and contemporary journalism cases involving a variety of ethical questions. Prerequisites: Sophomore standing. Open to nonmajors. 3 credits. (F-S)

Distribution: LA.

JOUR 25000 - Journalism History (3)
Examines the development of the mass media in the United States, beginning with Western European antecedents and proceeding to the present era of complex new technologies. Focuses on the factors influencing the evolution of U.S. media history, emphasizing the development of the U.S. press philosophy, the interaction of industrialization and media, and the rise of mass culture. Prerequisites: Sophomore standing. 3 credits. (F-S)

Distribution: 3B,LA.

JOUR 38300 - News Editing (4)
Students critically discuss the role news editors have in deciding what is news and how it is presented. News judgment decisions across print, online, and broadcast formats are analyzed; students then produce projects where they apply their news judgments across media. Technologies used include digital editing for broadcast, newspaper layout and design software for print and design, and presentation software for online news. The occupational, legal, and ethical responsibilities and concerns of news editing are stressed in a historical and comparative media context. Prerequisites: JOUR 21100. 4 credits. (F-S)

Distribution: NLA.

JOUR 48000 - Multimedia Journalism (4)

This course integrates the student's previous work into professional-quality, online news production. This class designs and produces a final multimedia project covering a variety of issues of interest to the community. Working in teams, students research, produce, and edit long-form stories and present them every week as a part of their weekly assignments and final multimedia package. The storytelling and presentation formats include text, graphics, audio, video, and interactive elements for audience participation. Prerequisites: JOUR 21100; junior standing. 4 credits. (F-S)

Distribution: LA,UND.

JOUR 48200 - Narrative Journalism Workshop (4)

Students demonstrate their ability in narrative journalism by researching and writing a major journalistic project. Projects will take the form of a long-form narrative feature report, with the goal of getting them published professionally. Critique and analysis of journalists' projects and reflections on their craft are emphasized. Prerequisites: JOUR 21100; junior standing. 4 credits. (F-S)

Distribution: NLA.

JOUR 48400 - Mass Media Research (3)

This course strengthens the student's skills in conducting journalism and mass communication research on real-world local, national, and international issues. Emphasis on the formulation of research topics and proposals; literature search and review; various methodologies that are applicable to the journalism profession; data collection, analysis, and interpretation; and research report writing. Prerequisite: JOUR 21100; junior standing. 3 credits. (F-S)

Distribution: LA.

JOUR 48600 - Documentary Journalism Workshop (4)

Students produce an in-depth final project of journalistic significance in a multimedia platform appropriate to their subject matter. Students research, write, edit, and produce long-form news stories in a documentary format for multimedia. Participants also critique and analyze examples of professionally produced documentary and long-form television and web-based journalism. Prerequisites: JOUR 21100; junior standing. 4 credits. (F-S)

Distribution: NLA.

JOUR 48800 - Issues and the News (3)

A capstone course for seniors majoring or minoring in journalism, designed to give the students an opportunity for in-depth news examination and analysis from numerous sources. Ongoing critique of major news issues of the day. Students examine the variety of information sources available and incorporate various points of view from around the world. They present key summaries of issues they are monitoring, producing news stories and analytic pieces. Prerequisites: JOUR 21100; senior standing. 3 credits. (F-S)

Distribution: LA,UND.

JOUR 49000 - Internship (1 to 8)

Jointly supervised work experience with a cooperating institution or corporation in the field of journalism or communications, intended to motivate the student toward professional growth through observation and participation, to provide opportunities to meet active professionals, and to stimulate career planning. Skills and academic
knowledge are put into practice. May be repeated. Prerequisites: Junior standing; journalism major or minor; completion of Park School internship procedures. The total number of internship credits a journalism major or minor is permitted to earn may not exceed 12 credits (including London and Los Angeles internships). For example, if a student takes an 8-credit internship, a second internship would count for up to 4 credits only, for a total of 12 credits. Pass/fail only. 1-8 credits. (F-S)

Distribution: NLA.

JOUR 49900 - Independent Study in Journalism (1 to 4)

Intensive research related to journalism under the supervision of a faculty adviser and with approval of the department chair. A major research paper is required. May be repeated; total credits earned may not exceed 8 credits for the two independent study courses combined. Prerequisites: Journalism major or minor; senior standing; permission of department chair. 1-4 credits. (F-S)

Distribution: LA.

JWST - Jewish Studies

JWST 10300 - Hebrew Scriptures (3)

This course treats the books of the Bible critically as literature, as religious and moral texts, and as a source of sociological knowledge. It surveys the biblical literature, acquaints students with critical methods for the study of the Bible, situates the Bible within the literature and culture of the ancient Near East, and discusses the religion of ancient Israel. The course will deal with questions of history and archaeology and with questions of meaning: what the biblical text meant to its ancient readers and what meanings it has today. Cross-listed as RLST 10300. Students may not receive credit for both RLST 10300 and JWST 10300. 3 credits. (F,Y)

Distribution: 3A,H,HU,LA.

JWST 20100 - Jews in the Ancient and Medieval Worlds (3)

An introduction to Jewish history and the varieties of Jewish cultures and religious traditions in the ancient and medieval worlds, covering Jewish history from the period of the Second Temple (sixth century B.C.E.) to the expulsion from Spain in 1492. Prerequisites: One course in the humanities or social sciences. 3 credits. (F,O)

Distribution: 1,G,H,HU,LA.

JWST 20200 - Jews in the Modern World (3)

A survey of world Jewish history from 1492 to the present, concentrating on the Middle East, Europe, North Africa, and the United States. Discussion of the expulsion from Spain, growth of Jewish communities in the Ottoman Empire and Eastern Europe, enlightenment and emancipation, European colonialism, migration to the Americas, anti-Semitism and the Holocaust, the state of Israel, and modern religious movements. Prerequisites: One course in the humanities or social sciences. 3 credits. (F,E)

Distribution: 1,G,H,HU,LA.

JWST 20300 - Judaism (3)

An introduction to Judaism with a focus on theology, ethics, and ritual practice. Readings include selected texts from the biblical, rabbinic, medieval, and modern periods. Theoretical and ethical issues include God, good and evil, covenant, death and afterlife, justice, and social responsibility. The course examines how these Jewish understandings are lived out through practices associated with birth and death; marriage and commitment; sexuality; and the life of study, prayer, and devotion. Cross-listed with RLST 20300. Students may not receive credit for both RLST 20300 and JWST 20300. Prerequisites: One course in the humanities or social sciences. 3 credits. (S,Y)

Distribution: 1,G,H,HU,LA.

JWST 27500 - Selected Topics in Jewish Studies (1 to 3)

Topics of special interest to students and teachers may be developed under this course heading. Prerequisites: One course in the humanities or social sciences. Further prerequisites may be added according to topic. This course may be repeated for credit when topics change. 1-3 credits. (IRR)

Distribution: HU,LA,SS.

JWST 32300 - Gender and Sexuality in Judaism (3)

Exploration of what it means to be a Jewish man or woman. The course addresses how Jewish gender roles have changed throughout history, as well as how contemporary Jews deal with changes in women’s roles and demands for gender equality. Topics covered include what is “gender” and how to study it; traditional roles of men and women in Judaism; the gendered Jewish body; family and sexuality; homosexuality; Jewish feminism; the gender of God; and changing women’s religious roles. Cross-listed with RLST 32300. Students may not receive credit for both RLST 32300 and JWST 32300. Prerequisites: Three courses in humanities or social sciences. 3 credits. (Y)

Distribution: HU,LA.

JWST 33300 - Jewish Mysticism (3)

This course traces the history of Jewish mysticism. After a brief overview of early Jewish mysticism from the biblical and rabbinic periods, students will concentrate on the medieval flowering of Kabbalah, and its further development in the 16th-century Kabbalah of Safed and Israel and 18th-century Eastern European Hasidism. The emphasis will be placed on understanding both the theoretical and experiential aspects of Jewish mysticism and on examining some of the key texts of Jewish
mysticism. Cross-listed with RLST 33300. Students may not receive credit for both RLST 33300 and JWST 33300. Prerequisites: Three courses in the humanities or social sciences. 3 credits. (Y)

Distribution: HU,LA.

JWST 34300 - Biblical Interpretation in Judaism and Christianity (3)

Examines the theological and literary dimensions of reading the Bible in the Jewish and Christian traditions. Focuses on the comparative study of Jewish and Christian methodologies for interpreting the Bible. Prerequisites: Three courses in the humanities, at least one of which is in English, Jewish studies, or religious studies. 3 credits.

Distribution: HU,LA.

JWST 35300 - Jewish Folk Religion: Magic and Ritual Power (3)

Traces the history of the Jewish tradition of ritual power from biblical antiquity through the Middle Ages and through its transformation in the modern world. Introduces students to the historical and anthropological study of magic and ritual power, and the relationship between magic and religion. Topics covered include the use of amulets and incantations for healing, the relationship between magic and Jewish mysticism, possession, and exorcism in the early modern world, and the persistence of the Jewish magical tradition in the modern era. Prerequisites: Three courses in the humanities or social sciences, including one from anthropology, Jewish studies, or religion (or permission from the instructor to waive the requirement). 3 credits. (IRR)

Distribution: HU,LA.

JWST 37500 - Selected Topics in Jewish Studies (1 to 3)

Topics of special interest to students and teachers may be developed under this course heading. Prerequisites: 3 courses in the humanities or social sciences. Further prerequisites may be added according to topic. This course may be repeated for credit when topics change. 1-3 credits. (IRR)

Distribution: HU,LA,SS.

JWST 37501 - Selected Topics in Jewish Studies (1 to 3)

Topics of special interest to students and teachers may be developed under this course heading. Prerequisites: 3 courses in the humanities or social sciences. Further prerequisites may be added according to topic. This course may be repeated for credit when topics change. 1-3 credits. (IRR)

Distribution: HU,LA,SS.

JWST 42000 - Internship: Jewish Studies (1 to 12)

On-site work experience, combined with academic study, in agencies or educational institutions with significant Jewish content, such as Jewish schools or community agencies or multicultural groups. Arranged individually at the student's request with the individual instructor, a sponsoring agency, and permission of the Jewish studies coordinator. Prerequisites: Permission of instructor. 1-12 credits. (IRR)

Distribution: NLA,UND.

JWST 42001 - Internship: Jewish Studies (1 to 12)

On-site work experience, combined with academic study, in agencies or educational institutions with significant Jewish content, such as Jewish schools or community agencies or multicultural groups. Arranged individually at the student's request with the individual instructor, a sponsoring agency, and permission of the Jewish studies coordinator. Prerequisites: Permission of instructor. 1-12 credits. (IRR)

Distribution: NLA.

JWST 49100 - Independent Study in Jewish Studies (1 to 4)

Special research on an individual project arranged by a student with a particular faculty member. The project may include reading books and/or writing papers under the guidance of the faculty member, with a performance expectation of upper-level work. Offered on demand only. Prerequisites: Permission of instructor. 1-4 credits. (IRR)

Distribution: LA,UND.

LATN - Latin

LATN 10100 - Elementary Latin I (0 to 3)

Latin language, literature, and culture of ancient Rome and the Middle Ages. Emphasis on pronunciation, noun cases, agreement, phrases, and clauses. Readings include simple prose narratives from Roman history, fables, and mythology. Students work with an interactive computer program, supplemented by weekly review classes, drills, translations, and tests administered by the instructor. Open to students with no previous Latin, or by placement examination. 3 credits. (F-S,Y)

Distribution: 3A,G,H,HU,LA.

LATN 10200 - Elementary Latin II (0 to 3)

Continuation of LATN10100 Elementary Latin I. Latin language, literature, and culture of ancient Rome and the Middle Ages. Emphasis on noun and verb system, agreement, phrases, and clauses. Readings include simple prose narratives from Roman history, fables, and mythology, and simple poetry. Students work with an interactive computer program, supplemented by weekly review classes, drills, translations, and tests administered by the instructor. Prerequisites: LATN10100 with a grade of C- or better, or by placement exam. 3 credits (F-S,Y)
LGST 30600 - Criminal Law (3)
An introduction to topics in criminal law, criminal procedure, and criminal justice. Topics include the American court system; origins of law; elements of crimes; defenses to crimes; constitutional issues in criminal law; criminal procedure issues, including policy operations, arraignments, indictments, grand jury procedure, criminal trials, and appeals; and criminal justice issues, including "white- and blue-collar" crime, philosophies of crime and punishment, and crime in the workplace. An optional clinical component in the Tompkins County court system will be available. Prerequisites: GBUS 20300. 3 credits. (F,S)

Distribution: NLA.

LGST 30700 - Environmental Law and Policy (3)
A survey of environmental law and the policies and goals of key federal environmental statutes. Students will examine the role of the Environmental Protection Agency in implementing and enforcing environmental standards, as well as significant case law developments. Prerequisites: GBUS 20300; junior standing; or permission of instructor. 3 credits. (Y)

Distribution: L.A.

LGST 32000 - Marketplace Regulation and Consumer Protection (3)
Discussion and in-depth study of the role of government in protecting the consumer and regulating marketplace practices. Seminar topics include the costs and effectiveness of the administrative law process, case studies of federal regulatory agencies, and recent developments in marketing and product liability law. Emphasis on research skills, and individual and group presentations. Cross-listed with MRKT 32000. Students may not receive credit for both LGST 32000 and MRKT 32000. Prerequisites: GBUS 20300; or standing. 3 credits. (Y)

Distribution: NLA.

LGST 32300 - Legal Research Seminar (3)
Introduction to legal research and legal writing. During the first half, students use the Cornell University law school library to research state and federal statutes and cases, and they complete weekly research assignments. Once use of the law school library is mastered, the focus changes to a tutorial-structured course in which students use computerized databases located at Ithaca College to prepare legal memoranda. Prerequisites: GBUS 20300; junior standing. 3 credits. (Y)

Distribution: NLA.

LGST 40200 - Seminar in Legal Studies (3)
A seminar on a topic of depth and relevance to the study of law. Students discuss the topic in depth, each week, from a radically different viewpoint. The course begins with a legal analysis of the topic and then introduces analyses in a layered form from such points of view as religious;
philosophical; business (marketing/finance); sociological; criminal; and others as the professors decide throughout the semester. Each week features extensive readings by authors in the field and writings by the students, as well as lectures or discussion groups featuring different professors and speakers to offer students a different viewpoint on the same legal issue throughout the semester. Students are required to do extensive reading and writing for each weekly meeting and a final paper is required. Prerequisite: LGST 32300 (may be taken concurrently), and senior standing. 3 credits. (S,Y)

Distribution: LA.

LGST 49800 - Internship: Legal Studies (1 to 6)

Off-campus experience involving varied, non-routine work projects designed to allow students to synthesize academic theory with "real-world" operations of an organization. Primary responsibility is on the student to develop a project proposal and then carry out its requirements in conjunction with a faculty sponsor. Prerequisites: Junior standing; completion of appropriate principles courses; a minimum cumulative GPA of 2.70 at Ithaca College; prior approval of the Division of Interdisciplinary and International Studies; approval of proposal by term beginning. Also offered at the Ithaca College London Center. Pass/fail only. 1 to 6 credits. (F-S,Y)

Distribution: NLA.

LGST 49900 - Independent Study: Legal Studies (1 to 12)

Special reading and research not covered in courses currently being offered, under supervision. Prerequisites: Junior standing; completion of appropriate principles courses; prior approval by the Division of Interdisciplinary and International Studies. Variable credit. (F-S,Y)

Distribution: NLA.

LNGS - Languages

LNGS 11100 - Cross-Cultural Journeys through Cinema (3)

Team-taught lecture course that examines cinematic representations of changing notions of cultural, national, and individual identity. Topics will include the impact of war and fascism on national identity; changing notions of the family structure and gender roles; generational conflict and cultural identity, class, race, and religion. Students will investigate these topics both within and across various national cultures. 3 credits (S,Y)

Distribution: 3B,G,HU,LA.

LNGS 23200 - Introduction to Linguistics (3)

An introduction to the fundamental areas and concepts of modern linguistics. Study of sounds and sound patterns, word and sentence structure, and language change. Other topics may include semantics, language acquisition, dialects, and pidgin and creole languages. Prerequisites: One course in the humanities or social sciences. Open to all students. Students may not earn credit for both LNGS 23200 and LNGS 23300. 3 Credits. (F-S,Y)

Distribution: 3A,LA,SS.

MATH - Mathematics

MATH 10000 - Mathematics Fundamentals (1)

Basic concepts underlying algebra, functions, exponents, areas, fractions, and percents. Reasoning skills required for these concepts. Word problems. Meets three hours. See also MATH 18000; credit cannot be earned for both MATH 10000 and MATH 18000. Prerequisites: Math placement in group 1, 2, or 3, or completion of MATH 10000 or MATH 18000 with a grade of C- or better. 3 credits. (F-S,Y)

Distribution: LA,UND.

MATH 10500 - Mathematics for Decision Making (3)

Introduction to probability theory, mathematics of finance and linear programming. Additional topics at the instructor's discretion. Students may not receive credit for both MATH 10500 and MATH 10600. Prerequisites: Math placement in group 1, 2, or 3, or completion of MATH 10000 or MATH 18000 with a grade of C- or better. 3 credits. (F-S,Y)

Distribution: 2B,LA,NS.

MATH 10600 - Mathematics for Decision Making with Technology (4)

Introduction to probability theory; mathematics of finance; linear programming. Additional topics at the instructor's discretion. Appropriate technology is introduced to present some of the topics differently and in more depth than MATH 10500. Students may not receive credit for both MATH 10500 and MATH 10600. Prerequisites: Math placement in group 1, 2, or 3, or completion of MATH 10000 or MATH 18000 with a grade of C- or better. 4 credits. (F-S,Y)

Distribution: 2B,LA,NS.

MATH 10700 - Fundamentals of Applied Calculus (4)

Introduction to calculus, with an emphasis placed on problems in business and economics. Topics include modeling data with polynomial, exponential, and other functions; rates of change and other applications of derivatives; optimization; and the definite integral. Technology, such as graphing calculators, will be used throughout this course. Completion of this course with a grade of C- or better will move students in group 3 to group 2. Not open to students who have taken MATH 10800, MATH 11100, or MATH 11200. Prerequisites: Math placement in group 2 or 3, or completion of MATH 10000 or MATH 18000 with a grade of C- or better. 4 credits. (F-S,Y)

Distribution: 2B,LA,NS.
MATH 10800 - Calculus for Decision Making (4)

Introduction to calculus, with an emphasis placed on problems in the social and life sciences. Topics include polynomial, exponential, and logarithmic functions and their derivatives; curve sketching, optimization, and rates of change; the definite integral and area. Further topics may be chosen from applications of differential equations and trigonometric functions. Not open to students who have taken MATH 10700, MATH 11100, or MATH 11200. Students with group 1 placement who plan to take more than one semester of calculus should instead take MATH 11100. Prerequisites: Math placement in group 1 or 2, or completion of MATH 13100 with a grade of C- or better. 4 credits. (F-S,Y)

Distribution: 2B,LA,NS.

MATH 11000 - College Algebra and Trigonometry (4)

A modeling approach to college algebra and trigonometry. Topics include algebraic expressions (including radicals and exponents); equations and inequalities; polynomial and rational functions; exponential and logarithmic functions; systems of equations; trigonometric functions and properties. Prerequisites: Math Placement 2 or 3. 4 credits. (F-S,Y)

Distribution: LA,NS.

MATH 11100 - Calculus I (4)

Calculus of functions of one variable. Topics include limits, continuity, derivatives, applications of derivatives (problems of motion, graphing, and optimization), antiderivatives, and an introduction to the definite integral. Functions covered include polynomial, rational, exponential, logarithmic, trigonometric, and piecewise-defined functions. Prerequisites: Math placement in group 1, or completion of MATH 11000 with a grade of C- or better. 4 credits. (F-S,Y)

Distribution: 2B,LA,NS.

MATH 11200 - Calculus II (4)

Continuation of calculus of functions of one variable. Topics include differential equations, including slope fields, numerical solutions, and separation of variables; evaluation of integrals and antiderivatives; applications of integration; improper integrals; series, with an emphasis placed on power series. Prerequisites: MATH 11100. 4 credits. (F-S,Y)

Distribution: 2B,LA,NS.

MATH 13100 - Power Algebra (4)

College algebra is introduced as motivated by applications. Students make conjectures and predictions about real-life applications and actively participate in constructing simple mathematical models. Focus on mathematical concepts and thinking rather than algebraic manipulations. Provides the skills and knowledge to take a course such as MATH 10800 Calculus for Decision Making. Upon the recommendation of the instructor, students completing this course move to group 2. Students not receiving the recommendation of the instructor have the option of taking the department exam to move from group 3 to 2. Prerequisites: Math placement in group 3. 4 credits. (F-S,Y)

Distribution: 2B,LA,NS.

MATH 13500 - Mathematical Art with Computers (3)

Focuses on mathematical concepts such as symmetry, crystallographic groups, recursive patterns, spirals, and the golden ratio as they relate to geometric design. The use of computers enables students to explore these topics without an extensive math background. Prerequisites: Math placement in group 1, 2, or 3, or completion of MATH 10000 or MATH 18000 with a grade of C- or better. 3 credits. (S,Y)

Distribution: 2B,LA,NS.

MATH 14400 - Statistics for Business, Economics and Management (4)

A first course in statistics covering descriptive statistical techniques: introduction to probability; statistical inference including problems of estimation and hypothesis testing; correlation and regression analysis; and multiple regression. Data sets and exercises will be chosen from the fields of business, economics, and management. Technology used in this course may include graphing calculators and statistical software. Prerequisite: Math placement in group 1 or 2, or completion of MATH 10700 or MATH 13100 with a grade of C- or better. A student cannot receive credit for this course and PTBS 39000. Not open to students who have completed MATH 14500 or MATH 21600. 4 credits (F-S, Y)

Distribution: 2B,LA,NS.

MATH 14500 - Statistics for the Health, Life, and Social Sciences (4)

A first course in statistics covering descriptive statistical techniques: introduction to probability; statistical inference including problems of estimation and hypothesis testing; one-way ANOVA; and design of experiments. Most of the data sets and exercises will be chosen from the fields of biology, health, and life sciences, as well as from everyday life. Technology used in this course may include graphing calculators and statistical software. Prerequisite: Math placement group 1 or 2, or completion of MATH 10700 or MATH 13100 with a grade of C- or better. A student cannot receive credit for this course and PTBS 39000. Not open to students who have completed MATH 14500 or MATH 21600. 4 credits. (F-S, Y)

Distribution: 2B,LA,NS.

MATH 15200 - Selected Topics: What Is Mathematics? (3)
Cultural approach to selected topics in mathematics. See instructor for current list of topics. Students may not receive credit for both MATH 15200 and MATH 25200. Prerequisites: Math placement in group 1, 2, or 3, or completion of MATH 10000 or MATH 18000 with a grade of C- or better. 3 credits. (F-S,Y)

Distribution: 2B, LA, NS.

MATH 15500 - Basic Statistical Reasoning (3)

Basic concepts involved in statistical reasoning, such as sampling and experimental design, description of data, normal approximation to data, correlation and regression, and probability. Emphasis is placed on understanding the use of statistics rather than on how to do statistical analysis. Not open to students who have taken MATH 10800, MATH 11100, PSYC 20700, or PTBS 39000. Prerequisites: Math placement in group 1, 2, or 3, or completion of MATH 10000 or MATH 18000 with a grade of C- or better; completion of one course in the social or natural sciences. 3 credits. (F-S,Y)

Distribution: 2B, LA, NS.

MATH 16100 - Math and Society (3)

Explores connections between mathematics and the liberal arts. Covers three to six topics chosen for their mathematical and societal component, with comparable emphasis given to each component. Only a high school math background is assumed, but students must have scored in group 2 or 1 on the math placement exam. Actual course content varies with instructor, but examples of topics are exponential growth and world population; symmetry and group theory in art and architecture; fair allocation and equity; binomial models and the death penalty; quantitative communication and the media. Prerequisites: Math placement in group 1 or 2, or completion of MATH 13100 with a grade of C- or better. 3 credits. (F-S,Y)

Distribution: 2B, LA, NS.

MATH 18000 - Mathematics Fundamentals with Computers (2)

Meets four hours. Three of the four hours explore the same topics as MATH 10000 Mathematics Fundamentals; reasoning skills and basic concepts underlying algebra, functions, exponents, areas, fractions, and percents. The fourth hour is a computer lab, where students use the computer to increase their understanding of mathematics. Credit cannot be earned for both MATH 18000 and MATH 10000. Prerequisites: Math placement in group 4. 2 credits. (F-S,Y)

Distribution: LA, UND.

MATH 18500 - Math Experimentation (3)

Students explore mathematical phenomena experimentally, detect patterns, and provide mathematical explanations for these patterns. Students gain insight into mathematical thinking and the process of conjecture by designing and implementing mathematical algorithms with a Computer Algebra System. Discrete dynamical systems including Markov chains will be investigated. Other topics vary but may include the distribution of prime numbers, modular arithmetic, the Collatz Conjecture. Prerequisites: Math placement in group 1, or completion of MATH 11000 with a grade of C- or better. 3 credits. (S,Y)

Distribution: LA, NS.

MATH 19000 - Selected Topics in Mathematics (1 to 4)

Topics to be determined by instructor and department. May be repeated for credit for selected topics on different subjects. Prerequisites: Appropriate to topics. 1-4 credits. (IRR)

Distribution: 2B, LA, NS.

MATH 19200 - Independent Study: Math (1 to 3)

Individual study of selected subjects extending the student's mathematical knowledge. Prerequisites: Permission of instructor. 1-3 credits. (IRR)

Distribution: LA, UND.

MATH 21100 - Calculus III (4)

Introduction to vectors and the geometry of vector spaces. Calculus of functions of several variables: partial derivatives, gradients, optimization, double integrals. Prerequisites: MATH 11200. 4 credits. (F-S,Y)

Distribution: 2B, LA, NS.

MATH 21200 - Calculus IV (3)

Multiple integrals and change of variables. Line and surface integrals. Classical theorems of vector calculus. Prerequisites: MATH 21100. 3 credits. (S,Y)

Distribution: LA, NS.

MATH 21400 - Differential Equations (3)

Topics will include modeling with differential equations, existence and uniqueness of solutions, separation of variables; first order linear equations; second order equations with constant coefficients; homogeneous equations, phase plane analysis, eigenvalues; and systems of differential equations. Additional topics may include: series solutions of differential equations, non-linearity and equilibrium analysis, and transforms among others. Prerequisites: MATH 21200. 3 credits. (S,Y)

Distribution: LA, NS.

MATH 21600 - Introduction to Mathematical Statistics (3)

An introduction to statistical analysis for students with a calculus background. Topics will include statistical modeling, probability theory and distributions, parameter estimation, hypothesis testing, linear regression, and
experimental design. Statistical literacy and techniques for data analysis will be emphasized. Prerequisites: MATH 11200. 3 credits. (F,Y)

Distribution: LA,NS.

MATH 22000 - Mathematics for Childhood Education (3)

This is a math content course for future elementary school teachers. Students develop a deep understanding of mathematical content, strengthen their mathematical reasoning and problem-solving skills, and learn how to help elementary students make mathematical sense of their world. Prerequisite: EDUC 21910 or EDUC 34000 (may be taken concurrently.) 3 credits. (S,Y)

Distribution: LA,NS.

MATH 23100 - Linear Algebra (3)

Topics include systems of linear equations and solutions; matrix operations; linear independence, span, basis, dimension, rank; linear operators and matrix representations; vector spaces, subspaces, change of coordinates; eigenvalues, eigenvectors; and applications. Prerequisites: MATH 11200. 3 credits. (F,Y)

Distribution: LA,NS.

MATH 25000 - Problem-Solving Seminar (.5 to 1)

Techniques used in the solution of diverse mathematical problems are developed and discussed. Problems will often be drawn from national competitions, such as the Putnam exam and the COMAP Modeling Competition, or from problem sections of mathematics journals. The course will be offered for either 0.5 or 1 credit; it may be repeated for credit up to a total of 4 credits. Prerequisites: MATH 11100. Pass/fail only. 0.5-1 credit. (F,S)

Distribution: LA,NS.

MATH 27000 - Mathematical Reasoning with Discrete Mathematics (3)

Focus is on the underpinnings of and strategies for mathematical arguments that constitute mathematical proof. These underpinnings include logical connectives, (universal and existential) quantification, and rules of deductive inference. Strategies include direct proof, indirect proof, "proof" by counterexample, proof by cases, and proof by induction. Students learn to employ these strategies and concepts to create basic mathematical proofs. Content topics include, but are not limited to, fundamentals concepts of sets and functions as well as multiple topics from discrete mathematics that include elementary counting principles. Prerequisites: MATH 23100 or MATH 18500. MATH 18500 may be taken concurrently. 3 credits. (S,Y)

Distribution: LA,NS.

MATH 28000 - Mathematica (1)

Introduction to Mathematica – its syntax, structure, and distinctive features. Use of Mathematica as a problem-solving tool for mathematics. Prerequisites: MATH 11200. 1 credit. (F,Y)

Distribution: LA,UND.

MATH 29000 - Selected Topics in Mathematics (1 to 4)

Topics to be determined by instructor and department. This course may be repeated for credit when topics vary. Prerequisites: As appropriate to topics. 1-4 credits. (IRR)

Distribution: LA,NS.

MATH 29100 - Sophomore Seminar (1)

Series of discussions presenting an overview of mathematics led by various faculty members. Should be taken by majors in sophomore year. Prerequisites: MATH 11200; MATH 18500 or MATH 23100. Pass/fail only. 1 credit. (S,Y)

Distribution: LA,NS.

MATH 29200 - Independent Study: Math (1 to 3)

Individual study of selected subjects extending the student's mathematical knowledge. Prerequisites: Permission of instructor. 1-3 credits. (IRR)

Distribution: LA,UND.

MATH 30300 - Abstract Algebra (4)

Introduction to algebraic structures. Study includes concepts from group theory, ring theory, or field theory. Topics may include Abelian groups, cyclic groups, permutation groups, factor groups, ideals, quotient rings, integral domains, isomorphisms, and homomorphisms. Additional topics may be included. Prerequisites: MATH 27000. 4 credits. (F,Y)

Distribution: LA,NS.

MATH 30500 - Introduction to Analysis (4)

Topology of the real line. Continuity, differentiability, and integrability of functions of a real variable. Prerequisites: MATH 21100; MATH 27000. 4 credits. (S,Y)

Distribution: LA,NS.

MATH 31600 - Probability (3)

Topics include probability systems; random variables, their distributions, and expected values. Additional topics may include queueing theory, the theory of Poisson processes and the theory of Markov processes. Prerequisites: MATH 21100. 3 credits. (S,Y)

Distribution: LA,NS.

MATH 36200 - Modern Geometry (4)

Rigorous development of Euclidean and hyperbolic geometry from both a metric and synthetic point of view.
Some topics in transformational geometry are also
covered. Prerequisites: MATH 27000. 4 credits. (F,Y)
Distribution: LA,NS.

MATH 39000 - Selected Topics in Mathematics (1 to 4)
Topics to be determined by instructors and department.
Fulfills a required mathematics elective. This course may
be repeated for credit when topics vary. Prerequisites:
MATH 27000. 1-4 credits. (IRR)
Distribution: LA,NS.

MATH 39100 - Independent Study: Mathematics (1 to 3)
Individual study of selected subjects extending the
student's mathematical knowledge. This course may be
repeated for credit for different studies. Does not fulfill a
required mathematics elective. Prerequisites: MATH
27000. 1-3 credits. (IRR)
Distribution: LA,UND.

MATH 39200 - Independent Study: Mathematics (1 to 3)
Individual study of selected subjects extending the
student's mathematical knowledge. Fulfills a required
mathematics elective. This course may be repeated for
credit for different studies. Prerequisites: MATH 27000. 1-
3 credits. (IRR)
Distribution: LA,UND.

MATH 39700 - Junior Seminar (1)
Students will work with faculty on focused mathematical
investigations. Research problems will be presented by
faculty teaching MATH 39810 Research Experience in
Mathematics. Students will attend a variety of talks related
to mathematics. Weekly problem solving related to
research topics. Prerequisites: MATH 29100. Pass/fail
only. 1 credit. (F, Y)
Distribution: LA,NS,UND.

MATH 39810 - Research Experience in Mathematics (3)
Students actively participate in mathematical investigation
and exposition, working collaboratively on research
questions. Review of relevant literature and research
methods will be incorporated. Students are required to
present their findings both in writing (consistent with the
standards of the discipline) and in public presentations.
Topics vary by instructor. Prerequisites: MATH 39700;
permission of instructor. 3 credits. (S,Y)
Distribution: LA,NS.

MATH 41000 - Selected Topics in Continuous Mathematics
(3)
Emphasis is on mathematical topics in which the concept
of continuity plays a key role. Specific content varies.
Topics may include but are not limited to, topology,
manifold theory, fractal geometry, advanced real analysis,
differential topology, advanced differential equations, and
continuous dynamical systems. Prerequisites: MATH
27000 at least one level-3 mathematics course. 3 credits.
(IRR)
Distribution: LA,NS.

MATH 41100 - Complex Analysis (3)
Students explore the theory of functions defined in the
complex plane, highlighting the interplay between
geometric visualization and analysis. Topics include the
geometry of analytic mappings, power series, Cauchy's
Theorem, and the Residue Theorem. Connections to other
areas of mathematics and to other scientific fields will be
explored through applications. Prerequisites: MATH
27000 at least one level-3 mathematics course. 3 credits.
(IRR)
Distribution: LA,NS.

MATH 42000 - Selected Topics in Discrete Mathematics (3)
Emphasis is placed on mathematical topics principally
concerned with discrete entities. Specific content varies.
Topics include, but are not limited to, number theory, fair
division, game theory, discrete dynamical systems and
advanced topics in group, ring, or field theory.
Prerequisites: MATH 27000 at least one level-3
mathematics course. 3 credits. (IRR)
Distribution: LA,NS.

MATH 42100 - Graph Theory and Combinatorics (3)
Topics in graph theory include basic properties of graphs,
Eulerian trails, Hamilton chains, trees, and may include the
chromatic polynomial, planar graphs, and the
independence number. Topics in combinatorics include the
pigeonhole principle, permutations and combinations, the
binomial theorem, and may include generating functions,
Catalan numbers, and Stirling numbers. Prerequisites:
MATH 27000 at least one level-3 mathematics course. 3 credits. (IRR)
Distribution: LA,NS.

MATH 43000 - Selected Topics in Applied Mathematics (3)
Emphasis is on mathematics topics in an applied setting.
Topics may include, but are not limited to, mathematical
modeling, partial differential equations, wavelets,
scheduling theory, applied dynamical systems, and
actuarial mathematics. Prerequisites: MATH 27000 at
least one level-3 mathematics course. 3 credits. (IRR)
Distribution: LA,NS.

MATH 43100 - Numerical Analysis (3)
Theory and applications of numerical techniques. Topics
will include error analysis, solution of non-linear equations
and systems of equations, interpolation, approximation,
numerical integration and differentiation and numerical
solution of initial-value problems. Prerequisites: MATH
MATH 48000 - Connections in Advanced Mathematics (3)
Study of connections and relationships among various disciplines within mathematics. Specific content varies. Topics may include, but are not limited to, the following: historical development of mathematics and various philosophies of mathematics, cultural similarities and differences in viewpoints and developments in mathematics, cross-discipline approaches that combine subdisciplines such as probability techniques in number theory and random graph theory, field theory and geometric constructions, and algebraic topology. Prerequisites: MATH 27000 and at least one level-3 course in mathematics or the related discipline; permission of instructor. 3 credits. (S,E) Distribution: LA,NS.

MATH 49000 - Selected Topics in Advanced Mathematics (3)
Topics to be selected by instructor and students. Fulfills a required mathematics elective. This course may be repeated for credit when topics vary. Prerequisites: MATH 27000 or equivalent; other prerequisites as appropriate to topics. 3 credits. (IRR) Distribution: LA,NS.

MATH 49200 - Independent Study: Mathematics (1 to 3)
Individual study of selected subjects extending the student's mathematical knowledge. Fulfills a required mathematics elective. This course may be repeated for credit. Prerequisites: Permission of instructor. 1-3 credits. Distribution: LA,NS,UND.

MATH 49201 - Independent Study: Math (1 to 3)
Reading on selected advanced subjects, with frequent, informal discussions with the instructor. Fulfills a required mathematics elective. This course may be repeated for credit. Prerequisites: Permission of instructor. 1-3 credits. Distribution: LA,NS.

MATH 49300 - Honors Course: Math (1 to 2)
Preparation of honors thesis in partial fulfillment of requirement for graduation with honors in mathematics. Prerequisites: Honors standing in mathematics. 1-2 credits. (IRR) Distribution: LA,NS.

MATH 49400 - Honors Course: Math (1 to 2)
Preparation of honors thesis in partial fulfillment of requirement for graduation with honors in mathematics. Prerequisites: Honors standing in mathematics. 1-2 credits. (IRR) Distribution: LA,NS.

MGMT - Management

MGMT 10300 - Minicourses in Management (1.5)
Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR) Distribution: NLA.

MGMT 10301 - Minicourses in Management (1.5)
Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR) Distribution: NLA.

MGMT 10302 - Minicourses in Management (1.5)
Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR) Distribution: NLA.
Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)
Distribution: NLA.
MGMT 11100 - Introduction to Business (3)
Overview of the world of business, its management, and its economic, political, and social environment. Particular note is taken of the areas of finance, accounting, personnel, production/operations, marketing/sales, and their interdependence. Not available to declared business majors. 3 credits. (Y)
Distribution: NLA.
MGMT 20600 - Organizational Behavior and Management (3)
Study of characteristics and processes of individuals, groups, and organizations that affect behavior within an organization. Attention is also given to the roles, functions, and principles of management. This survey course provides theoretical concepts and practical applications that focus on improving an individual's effectiveness within an organization. Students may not receive credit for this course and HRM 30600. Prerequisites: Three courses in business or social sciences; sophomore standing. 3 credits. (F-S-Y)
Distribution: NLA.
MGMT 26000 - Business Systems and Technology (3)
Introduces the student to information systems concepts and principles and the role systems play in business management. The focus is on traditional transaction information systems and current electronic systems. Students are exposed to business process modeling techniques and Internet website design and implementation. This course is generally project-based, and students have an opportunity to model an active business system, as well as create a fictitious business-to-consumer (B2C) website. Computer applications will be presented and taught as required. Written analyses and oral presentations are an integral part of the course. A student may not receive credit for both MGMT 26000 and MGMT 36000. Prerequisites: COMP 11000 or COMP 17100, or HLTH 13901; sophomore standing. 3 credits. (F-S-Y)
Distribution: NLA.
MGMT 31000 - Leadership in Organizations (3)
This course focuses on the nature and role of leadership, along with topics in trust, visioning, and control theory that are relevant to the needs of modern-day managers. The course prepares future managers to understand how best to motivate employees and guide them to the attainment of organizational goals. This course develops students' abilities to facilitate team building, manage projects, and implement strategic change or other organizational initiatives, such as a quality management program. Prerequisites: MGMT 20600 or HRM 30600; or both PSYC 31600 and PSYC 33400. 3 credits. (F-Y)
Distribution: LA.
MGMT 31200 - Leadership, Power, and Politics in Organizations (3)
This course focuses on the nature of leadership and power dynamics in modern organizations. This course develops students' abilities to create and use sources of power and to create a climate for leadership and change. In addition, the course provides a survey of methods to sustain and develop both personal and organizational power, including the network-building and conflict-handling skills needed to manage the increasingly pluralistic interests found in organizations. This course develops students' abilities to motivate human resources, facilitate team building, and guide organizational change. Prerequisites: MGMT 20600 or both PSYC 31600 and PSYC 33400. 3 credits. (F-Y)
Distribution: LA.
MGMT 32100 - Power and Conflict in Organizations (3)
Power dynamics are fundamental to the effective exercise of managerial leadership in organizations. This course examines the nature and use of power, organizational politics, and conflict in organizations. In addition, the course provides a survey of methods to sustain and develop both personal and organizational power, including the network-building and conflict-handling skills needed to manage the increasingly pluralistic interests found in organizations. This course develops students' abilities to create and use sources of power and to exercise skills that will make for more effective management. Prerequisites: MGMT 20600 or HRM 30600; or both PSYC 31600 and PSYC 33400. 3 credits. (S-Y)
Distribution: LA.
MGMT 34500 - Operations Management (3)
An introduction to the operations function in business for managing the resources (including people, facilities, inventories, processes, and systems) that create value (in the form of a product or a service) for an organization. The qualitative and quantitative aspects of managing a supply chain will be covered through topics such as product/process design, quality management, inventory control, and scheduling. Students will use computer technology and library resources to analyze issues, often in teams. Prerequisites: MATH 10700, MATH 10800, or MATH 11100; MATH 14400 or PSYC 20700; ACCT 22600; junior standing. 3 credits. (F-S-Y)
Distribution: NLA.
MGMT 35000 - Database Applications in Business (3)
This course examines the basic concepts of data management, database systems, and database applications in business. The goal is to provide adequate technical detail while emphasizing the organizational and implementation issues relevant to the management of computerized data in a business environment. A class project involving the design and implementation of a database using a microcomputer database management system is required. Topics include data models, database design, database applications, database administration, and data standards and policies. Students may not receive credit for both this course and COMP 37500.

Prerequisites: MGMT 26000 and ACCT 22500. (Y)

Distribution: LA.

MGMT 36100 - Advanced Spreadsheets for Managers (1.5)

Concepts covered include using the spreadsheet as a tool for decision-making, list management, design and creation of complex functions, introduction to the design and creation of specialized functions, array functions, and some programming. This is a block course. Prerequisite: MGMT 26000. 1.5 credits. (Y)

Distribution: LA.

MGMT 39100 - Managing for Sustainability (3)

Examines the challenge of maintaining sustainable business strategies while meeting the needs of various stakeholders. Will investigate various models of business sustainability and how to integrate sustainability concerns into managerial functions. Prerequisites: MGMT 20600. 3 credits. (Y)

Distribution: LA.

MGMT 39700 - Managing for Sustainability (3)

Examines the challenge of maintaining sustainable business strategies while meeting the needs of various stakeholders. Will investigate various models of business sustainability and how to integrate sustainability concerns into managerial functions. Prerequisites: MGMT 20600. 3 credits. (Y)

Distribution: LA.

MGMT 39700 - Selected Topics: Management (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: LA, UND.

MGMT 39701 - Selected Topics in Management (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: LA, UND.

MGMT 39800 - Field Experience: Management (0)

Off-campus experience requiring a minimum of 35 hours of work in an organization, designed to give students practical work experience in their field of specialization. Students should contact the internship coordinator for registration information and application. Prerequisites: MGMT 20600; junior standing. (P/F only). 0 credit (IRR)

Distribution: LA.

MGMT 42100 - Strategic Management (3)

Deals with upper-level management skills and attitudes as they encompass all basic business fields. Stresses the integration of the various disciplines studied and the opportunity to develop managerial decision-making abilities. Students will utilize professional communication and teamwork skills. Open only to students in the School of Business. Prerequisites: MGMT 20600; FINA 31100; MKTG 31200; MGMT 34500; HRM 30200. 3 credits. (F-S-Y)

Distribution: LA.

MGMT 45100 - Small Business Seminar I (3)

Introduction to the concepts and principles of small business management. Case study analysis will lead to practical understanding and application of management concepts. Prerequisites: Upper-level standing, permission of instructor. 3 credits. (F, IRR)

Distribution: LA.

MGMT 46000 - Seminar in Organization Development and Change (3)

Capstone course for the management concentration. In-depth examination of the nature, strategies, models, and intervention activities associated with planned change efforts for organizational improvement. Students build on previous knowledge of organizational structure and processes through independent readings and research, culminating in a challenging team-consulting experience in an ongoing organization. Prerequisites: MGMT 31000 or MGMT 31200, 3 credits management elective from approved list; senior standing. 3 credits. (S, Y)

Distribution: LA.

MGMT 49700 - Selected Topics in Management (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: LA.

MGMT 49701 - Selected Topics in Management (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this number and title. May be repeated for credit for different selected topics. Offered on demand only. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: LA.
MGMT 49800 - Internship with Academic Enhancement (1 to 3)

Off-campus experience involving varied, nonroutine work projects designed to allow students to synthesize academic theory with real-world operations of an organization. Primary responsibility is on the student to develop a project proposal and then carry out its requirements in conjunction with a faculty sponsor. Internship credit falls under the business elective category in the degree requirements. A maximum of 6 credits may be earned in any combination of internships (ACCT/FINA/INTB/MGMT/MKTG/MGMT 49800) and GBUS 39800. Prerequisites: Senior standing; completion of appropriate principles course; a minimum cumulative GPA of 2.70; Business-Link Professions Themes I, II & III; completion of School of Business internship application and permission of instructor. Pass/fail only. 3 credits. (F, S, SUM, W)

Distribution: NLA.

MGMT 49900 - Independent Study: Management (1 to 3)

A variable amount of credit may be earned toward the degree. To qualify, students must have a 3.00 cumulative grade point average and must have completed at least 6 credits in the subject matter. Guidelines are available at the School of Business office. 1-3 credits. (F-S, Y)

Distribution: NLA.

MKTG - Marketing

MKTG 10300 - Minicourses in Marketing (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

MKTG 10301 - Minicourses in Marketing (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

MKTG 10302 - Minicourses in Marketing (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

MKTG 10303 - Minicourses in Marketing (1.5)

Block courses on topics of current interest to faculty and students. May be repeated up to a maximum of 3 credits with different selected topics. Prerequisites: As appropriate to topics; not open to students with junior or senior standing. 1.5 credits. (IRR)

Distribution: NLA.

MKTG 10300 - Quantitative Methods in Business (3)

A study of quantitative tools used in solving business problems. Statistical quality control and decision models, regression methods, linear programming, and CPM- and PERT-type models. Using computers to solve problems is an important aspect. Prerequisites: MATH 14400 or PSYC 20700; junior standing. 3 credits. (IRR)

Distribution: NLA.

MKTG 31200 - Principles of Marketing (3)

Study of concepts, activities, and decisions related to the exchange process, management of the marketing mix, and development of marketing strategy for profit and not-for-profit organizations. Addresses the sociocultural, legal and regulatory, technological, economic, ethical, political, and social responsibility dimensions to marketing in the global environment. Prerequisites: Three courses in business or social sciences; junior standing. 3 credits. (F-S, Y)

Distribution: NLA.

MKTG 32300 - Consumer Behavior (3)

Study of consumer behavior variables and their impact on marketing. Includes consumer behavior models, motivation, perception, attitudes, and the influences of family, society, and culture. Prerequisites: ECON 12200; MKTG 31200; junior standing. 3 credits. (F-S, Y)

Distribution: NLA.

MKTG 32500 - Sales and Sales Promotion (3)

Examines the roles of personal selling and sales promotion in an organization's integrated marketing communications (IMC) mix. Students will learn how sales and sales promotion work together and with other IMC tools (advertising, publicity) to accomplish marketing strategies. Students will gain knowledge of traditional and cutting-edge consumer and trade promotions, as well as personal selling tactics and techniques. Prerequisites: MKTG 31200; junior standing. 3 credits. (Y)

Distribution: NLA.

MKTG 38000 - International Marketing (3)

Focus on marketing management problems, techniques, and strategies necessary to incorporate the marketing concept into the world marketplace. A multidisciplinary approach creates a broad understanding of the subject matter. Concepts from economics, political science,
anthropology, sociology, management, and marketing are integrated. Readings include text plus journal and magazine articles. Prerequisites: MKTG 31200; junior standing. 3 credits. (F-S,Y)

Distribution: NLA.

MKTG 39700 - Selected Topics: Marketing (1 to 3)
Topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

MKTG 39800 - Field Experience: Marketing (0)
Off-campus experience requiring a minimum of 35 hours of work in an organization, designed to give students practical work experience in their field of specialization. Students should contact the internship coordinator for registration information and application. Prerequisites: MKTG 31200; junior standing. (P/F only). 0 credit (IRR)

Distribution: NLA.

MKTG 41100 - Marketing Analytics (3)
Introduction to analysis of data related to marketing decisions, including program data in marketing information systems and project data collected through primary research. Includes both analysis of existing databases and the most common and practical problems associated with collecting and analyzing new data. Emphasis is on both qualitative methods and quantitative methods. Computer assignments require students to apply latest software packages. Prerequisites TVR 26000, MATH 14400, or PSYC 20700; MKTG 31200; junior standing. 3 credits. (F-S,Y)

Distribution: NLA.

MKTG 44400 - Services Marketing (3)
This course will introduce students to the issues and problems unique to the marketing of services. Topics include relationship marketing, the seven P's of service delivery, complaint management and recovery, service guarantees, measures of customer satisfaction, managing the moment of truth, servicescapes, employee empowerment, blueprinting services, and managing overall service strategy. Prerequisite: MKTG 31200. 3 credits. (F-S,Y)

Distribution: NLA.

MKTG 48600 - Senior Seminar in Marketing (3)
A capstone course for marketing majors, challenging them to identify and apply appropriate marketing concepts gained through earlier coursework. Specifically, the student is required to analyze actual and hypothetical marketing situations and react to or solve marketing problems by demonstrating an understanding of the marketing concept, mix, and strategy, as well as a strategic perspective. Prerequisites: MKTG 31200; MKTG 32300; MKTG 41100; senior standing. 3 credits. (S,Y)

Distribution: NLA.

MKTG 49100 - Marketing on the Internet (3)
Examines similarities and differences between traditional and online marketing methods and strategies. Heavy online research component; students will gather both secondary and primary data on the web, and then analyze and report findings. Assignments include investigating electronic marketing trends and practices in selected industries and creating web pages for hypothetical businesses. Prerequisites: MKTG 31200; junior standing. 3 credits. (S,Y)

Distribution: NLA.

MKTG 49700 - Selected Topics: Marketing (1 to 3)
Topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics; junior standing. 1-3 credits. (IRR)

Distribution: NLA.

MKTG 49800 - Internship with Academic Enhancement (1 to 6)
Off-campus experience involving varied, nonroutine work projects designed to allow students to synthesize academic theory with real-world operations of an organization. Primary responsibility is on the student to develop a project proposal and then carry out its requirements in conjunction with a faculty sponsor. Internship credit falls under the business elective category in the degree requirements. A maximum of 6 credits may be earned in any combination of internship (ACCT/FINA/INTB/ MGMT/MKTG/MGMT 49800) and GBUS 39800. Prerequisites: Senior standing; completion of appropriate principles course; a minimum cumulative GPA of 2.70; Business-Link Professions Themes I, II & III; completion of School of Business internship application and permission of instructor. Pass/fail only. 3 credits. (F, S, SUM, W)

Distribution: NLA.

MKTG 49900 - Independent Study: Marketing (1 to 3)
A variable amount of credit may be earned toward the degree. To qualify, students must have a 3.00 cumulative grade point average and must have completed at least 6 credits in the subject matter. Guidelines are available at the School of Business office. 1-3 credits. (F-S,Y)

Distribution: NLA.
MUED - Music Education

MUED 10100 - Introduction to Music Education: Career Orientation (0.5)

An orientation for first-semester music education majors, including an overview of contemporary issues in music education. In addition, an exploration of career opportunities in music education and other fields will be covered. Introduction to Music Education serves as the first of four classes in the music field-experience sequence. 0.5 credit. (F-Y)

Distribution: NLA,TE.

MUED 10200 - Music Field Experience I (0.5)

Second of four semesters of observations or participation in music teaching in a variety of settings and student development levels. Prerequisites: MUED 10100. 0.5 credit. (S-Y)

Distribution: NLA,TE.

MUED 20100 - Music Field Experience II (0.5)

Third of four semesters of observations or participation in music teaching in a variety of settings and student developmental levels. Prerequisites: MUED 10200. 0.5 credit. (F-Y)

Distribution: NLA,TE.

MUED 20200 - Current Topics in Music Education: Career Orientation (0.5)

This course is designed to address topics relevant to success in contemporary music education and will include several areas of focus required by NYSED regulations. Current Topics in Music Education serves as the fourth of four classes in the music field-experience sequence. Prerequisites: MUED 20100. 0.5 credit. (S-Y)

Distribution: NLA,TE.

MUED 24600 - Classroom Instruments (1)

Techniques and materials for teaching children to play classroom instruments, including Orff instrumentarium, soprano recorder, autoharp, and guitar. Prerequisites: Sophomore standing; MUED 10200. 1 credit. (F-S)

Distribution: NLA,TE.

MUED 26700 - Music Education for Children (2)

Emphasis is placed on planning, implementing, and evaluating an eclectic curriculum based on conceptual pedagogy. Study of the influences of Dalcroze, Orff, and Kodály. Projects in designing materials for large group, small group, and individualized instruction of pre-kindergarten through grade 6. Survey of adaptations necessary for the special learner in music in mainstreamed and inclusive settings. Prerequisites: Sophomore standing; MUED 10200. 2 credits. (F-S)

Distribution: NLA,TE.

MUED 28000 - Contemporary Ensembles in the Public Schools: Vocal-Choral (1)

Philosophical and pedagogical foundations for providing successful diverse musical experiences within the public schools. Special focus will be given to a broad range of musical genres and ensembles, including how to incorporate and support their inclusion into the traditional public school music program. The course will include experiential opportunities related to contemporary ensembles in the public school and will place added emphasis on world music. Prerequisites: MUED 20100. 1 credit. (S,Y)

Distribution: NLA,TE.

MUED 28100 - Contemporary Ensembles in the Public Schools: Instrumental-Band (1)

Philosophical and pedagogical foundations for providing successful diverse musical experiences within the public schools. Special focus will be given to a broad range of musical genres and ensembles, including how to incorporate and support their inclusion into the traditional public school music program. The course will include experiential opportunities related to contemporary ensembles in the public school and will place added emphasis on jazz. Prerequisites: MUED 20100. 1 credit. (S,Y)

Distribution: NLA,TE.

MUED 28200 - Contemporary Ensembles in the Public Schools: Instrumental-Orchestra (1)

Philosophical and pedagogical foundations for providing successful diverse musical experiences within the public schools. Special focus will be given to a broad range of musical genres and ensembles, including how to incorporate and support their inclusion into the traditional public school music program. The course will include experiential opportunities related to contemporary ensembles in the public school and will place added emphasis on ethnic fiddling. Prerequisites: MUED 20100. 1 credit. (S-Y)

Distribution: NLA,TE.

MUED 30100 - Choral Conducting (2)

Designed to develop proficiency in manual and aural skills. Prerequisites: Junior standing; MUTH 22100 or MUTH 22101. 2 credits. (F-S)

Distribution: NLA,TE.

MUED 30200 - Choral Conducting (2)

Designed to develop proficiency in manual and aural skills, with special emphasis placed on rehearsal techniques. Prerequisites: Junior standing; MUED 30100. 2 credits. (F-S)
MUED 30300 - Instrumental Conducting (2)
Designed to develop proficiency in manual and aural skills.
Prerequisites: Junior standing; MUTH 22100 or MUTH 22101. 2 credits. (F-S)
Distribution: NLA, TE.

MUED 30400 - Instrumental Conducting (2)
Designed to develop proficiency in manual and aural skills, with special emphasis placed on rehearsal techniques.
Prerequisites: Junior standing; MUED 30300. 2 credits. (F-S)
Distribution: NLA, TE.

MUED 34700 - String Pedagogy (2)
Pedagogical techniques and field experience for teaching string instruments in private, small group, and large ensemble settings. A synthesis of pedagogical concepts introduced in secondary instrument classes.
Prerequisites: Junior standing; secondary instruments through sophomore year. Corequisites: MUED 37100. 2 credits. (F-S)
Distribution: NLA, TE.

MUED 35600 - Laboratory Band (1)
A survey of elementary and junior high school ensemble materials. Students perform on instruments other than their major one and may, at the discretion of the instructor, be given opportunities to conduct rehearsals. Class meeting: Two hours per week. Prerequisites: Junior standing; MUED 30100 or MUED 30300. 1 credit. (S,B)
Distribution: NLA, UND.

MUED 35700 - Laboratory Orchestra (1)
A survey of elementary and junior high school ensemble materials. Students perform on instruments other than their major one and may, at the discretion of the instructor, be given opportunities to conduct rehearsals. Class meeting: Two hours per week. Prerequisites: Junior standing; MUED 30100 or MUED 30300. 1 credit. (S,E)
Distribution: NLA.

MUED 36100 - Teaching Vocal - General Music (1)
Taught in tandem with the junior vocal student teaching experience at Immaculate Conception School. The pedagogical principles, philosophical issues, and the state and national standards that were introduced during the prerequisite courses are continued at a more advanced level and applied with children from preschool through grade 8 in the music classroom. Prerequisites: Junior standing; MUED 24600; MUED 26700. Corequisites: MUED 36900. 1 credit. (F)
Distribution: NLA, TE.

MUED 36200 - Teaching Instrumental Music (1)
Emphasis is placed on implementing a successful school instrumental music program, including philosophical issues, national and state standards, administration, evaluation, assessment, recruitment techniques, ensemble classroom management, and advocate/parent relations. Also a forum for field experience questions and issues.
Prerequisites: Junior standing; secondary instruments through the sophomore year. Corequisites: MUED 37200. 1 credit. (S)
Distribution: NLA, TE.

MUED 36800 - General and Choral Music in the Secondary School (2)
The study and practical application of materials and techniques for teaching general and choral music in middle school, junior high, and high school. Special consideration is given to music for the changing-voice choir.
Prerequisites: Junior standing; MUED 20200. 2 credits. (F-S)
Distribution: NLA, TE.

MUED 36900 - Student Teaching: Vocal (2)
Junior year. Observation of experienced teachers, followed by biweekly teaching experience under supervision in a local lab school (Immaculate Conception School).
Prerequisites: Junior standing; MUED 20200. 2 credits. (F-S)
Distribution: NLA, TE.

MUED 37100 - Student Teaching: Instrumental (2)
Junior year. Observation of experienced teachers, followed by weekly teaching experience under supervision in area elementary schools. Prerequisites: Junior standing; secondary instruments through sophomore year; MUED 20200. Corequisites: MUED 37500 or MUED 34700. 2 credits. (F)
Distribution: NLA, TE.

MUED 37500 - Wind Instrument Pedagogy (2)
Pedagogical techniques and field experience for teaching woodwind and brass instruments in private, small group, and large ensemble settings. A synthesis of pedagogical concepts introduced in secondary instrument classes.
Prerequisites: Junior standing; secondary instruments through sophomore year. Corequisites: MUED 37100. 2 credits. (F)
Distribution: NLA, TE.

MUED 38000 - Student Teaching and Rehearsal Lab: Vocal-Choral (2)
Junior Year. Observation of experienced teachers, followed by weekly primary-level teaching experience under supervision. The rehearsal lab is a supplement to the junior-level student teaching experience and is an
extension of the rehearsal practice covered in the conducting course. The lab provides more opportunities for students to lead peers in large ensemble choral rehearsals, including choral warm-ups and rehearsal of distinctive choral repertoire in a wide range of styles and periods. The course includes the study of excellent repertoire appropriate for middle school and high school. Prerequisite: MUED 30100 and MUED 36900. Corequisite: MUED 30200. 2 credits. (S,Y)

Distribution: NLA.

MUED 38100 - Student Teaching and Rehearsal Lab: Instrumental-Band (2)

Junior Year. Observation of experienced teachers, followed by weekly primary-level teaching experience under supervision. The rehearsal lab is a supplement to the junior-level student teaching experience and is an extension of the rehearsal practice covered in the conducting course. The lab provides more opportunities for students to lead peers in large ensemble band rehearsals, including band warm-ups and rehearsal of distinctive band repertoire in a wide range of styles and periods. The course includes the study of excellent repertoire appropriate for elementary school, middle school, and high school. Prerequisite: MUED 30300 and MUED 37100. Corequisite: MUED 30400. 2 credits. (S,Y)

Distribution: NLA.

MUED 38200 - Student Teaching and Rehearsal Lab: Instrumental-Orchestra (2)

Junior Year. Observation of experienced teachers, followed by weekly primary-level teaching experience under supervision. The rehearsal lab is a supplement to the junior-level student teaching experience and is an extension of the rehearsal practice covered in the conducting course. The lab provides more opportunities for students to lead peers in large ensemble orchestra rehearsals, including orchestra warm-ups and rehearsal of distinctive orchestra repertoire in a wide range of styles and periods. The course includes the study of excellent repertoire appropriate for elementary school, middle school, and high school. Prerequisite: MUED 30300 and MUED 37100. Corequisite: MUED 30400. 2 credits. (S,Y)

Distribution: NLA.

MUED 40100 - Advanced Choral Conducting (2)

The study of conducting choral music with a variety of styles and interpretive techniques. Students have the opportunity to conduct several visiting high school or college choirs during class session. Prerequisites: MUED 30200 or MUED 30400. 2 credits. (F-B,O,S-B)

Distribution: NLA.

MUED 40200 - Advanced Instrumental Conducting (2)

Studies and practices aimed toward improved clarity of basic stick technique through the use of unequal motions (rhythmic and melodic). Practical exploration of rehearsal techniques, with an emphasis placed on clarity and efficiency in solving problems of balance, ensemble, intonation, and phrasing. Prerequisites: MUED 30400. 2 credits. (F-B,E,S-B)

Distribution: NLA.

MUED 41000 - Multicultural Perspectives in Music Education (2)

An investigation of world musics in the context of cultural values and identities, with a focus on how to teach them to students in the public school setting. Prerequisites: MUED 36100, MUED 37500, or MUED 34700. 2 credits. (S-B, E)

Distribution: LA.

MUED 44000 - Materials and Rehearsal Techniques for the Public School (2)

The study and evaluation of materials appropriate for teaching elementary, junior high, and senior high school band. Included is the examination of method books, instructional materials, and music for wind band. Prerequisites: Junior standing; MUED 30300. 2 credits. (S)

Distribution: NLA.

MUED 44900 - Marching Band Techniques (2)

A study of techniques employed by high school and college marching bands, including arranging, fundamentals, and charting procedures. Each student is required to chart an entire field band show. Includes extensive use of video. Prerequisites: Junior standing; MUED 37500 or MUED 35600, or permission of instructor. 2 credits. (S-B)

Distribution: NLA.

MUED 46800 - Senior Block Student Teaching: Vocal (6)

Senior year. A diversified half-semester, full-time teaching experience in a carefully selected public school; emphasis on the junior and senior high school levels. Prerequisites: Senior standing; MUED 38000 (see "prerequisites/eligibility" for the music education senior student teaching experience, in the "Music Education Student Teacher Handbook"). 6 credits. (F-S)

Distribution: NLA,TE.

MUED 46900 - Senior Block Student Teaching: Instrumental (6)

Senior year. A diversified half-semester, full-time teaching experience in a carefully selected public school; emphasis on the secondary school levels. Prerequisites: Senior standing; MUED 38100 or MUED 38200 (see "prerequisites/eligibility" for the music education senior student teaching experience, in the "Music Education Student Teacher Handbook"). 6 credits. (F-S)
MUEN - Music Ensembles

MUEN 10500 - Wind Ensemble (0 to 1)
A select wind and percussion ensemble with an active program of concerts scheduled throughout the school year. Open to any student who can qualify by audition. Class meeting: Five hours per week. 0-1 credit. (F-S)
Distribution: LA.

MUEN 10600 - Concert Band (0 to 1)
A wind and percussion ensemble open to any student who can qualify by audition. Several concerts are scheduled each semester. Class meeting: Four hours per week. 0-1 credit. (F-S)
Distribution: LA.

MUEN 10700 - Symphonic Band (0 to 1)
A wind and percussion ensemble open to any student who can qualify by audition. Several concerts are scheduled each semester. Class meeting: Four hours per week. 0-1 credit. (F-S)
Distribution: LA.

MUEN 10800 - Choir (0 to 1)
A select choral ensemble with an active performance schedule. Open to any student who can qualify by audition. A commitment for both fall and spring semesters is required. Class meeting: Five hours per week. 0-1 credit. (F-S)
Distribution: LA.

MUEN 10900 - Chorus (0 to 1)
A large choral ensemble open to any student who can qualify by audition. Several concerts are scheduled each semester. Class meeting: Four hours per week. 0-1 credit. (F-S)
Distribution: LA.

MUEN 11000 - Women's Chorale (0 to 1)
A choral ensemble open to all female students who can qualify by audition. Several concerts are scheduled each semester. A commitment for both fall and spring semesters is required. Class meeting: Four hours per week. 0-1 credit. (F-S)
Distribution: LA.

MUEN 11100 - Symphony Orchestra (0 to 1)
The orchestra is open to any student who can qualify by audition. An active program of concerts is scheduled each semester. Class meeting: Five hours per week. 0-1 credit. (F-S)
Distribution: LA.

MUEN 11200 - String Orchestra (0 to 1)
A select string ensemble open to any student who can qualify by audition. Several concerts are scheduled each semester. Class meeting: Two hours per week. 0-0.5 credit for music majors; 1 credit for non-music majors. (F-S)
Distribution: LA.

MUEN 11300 - Madrigal Singers (0 to 1)
A select vocal chamber ensemble with an active performance schedule. Open to any student who can qualify by audition. Class meeting: Two hours per week. 0-0.5 credit for music majors; 1 credit for non-music majors. (F-S)
Distribution: LA.

MUEN 11400 - Contemporary Chamber Ensemble (0 to 1)
The rehearsal and performance of chamber music written in the 20th century, with emphasis placed on recently composed works. Prerequisites: Audition. 0-0.5 credit for music majors; 1 credit for non-music majors. (F-S)
Distribution: LA.

MUEN 11500 - Guitar Ensemble (0 to 1)
Performance situations for small guitar ensembles of varying combinations. Open to any student who can qualify by audition. Class meeting: One hour per week. 0-0.5 credit for music majors; 1 credit for guitarists who take the course as a major ensemble; 1 credit for non-music majors. (F-S)
Distribution: LA.

MUEN 11700 - The Pianist as Collaborator (1)
Survey of the diverse skills and roles of pianists in their work with other musicians. Develops initial skills needed in vocal and instrumental accompanying, score reduction, sight-reading, transposition, and work with conductors. Required of all keyboard majors. Class meeting: Two hours per week. 1 credit. (F-S)
Distribution: LA.

MUEN 11800 - The Pianist as Collaborator (1)
Survey of the diverse skills and roles of pianists in their work with other musicians. Develops initial skills needed in vocal and instrumental accompanying, score reduction, sight-reading, transposition, and work with conductors. Required of all keyboard majors. Class meeting: Two hours per week. 1 credit. (F-S)
Distribution: LA.

MUEN 11900 - Jazz Laboratory (0 to 1)
Experience in jazz ensemble playing. Open to any student who can qualify by audition. Several concerts are
scheduled each year. Class meeting: Four hours per week. 0-0.5 credit for music majors; 1 credit for jazz studies majors who take the course as a major ensemble; 1 credit for non-music majors. (F-S)

Distribution: L.A.

MUEN 12100 - Chamber Orchestra (0 to 1)
A select chamber orchestra open to any student who can qualify by audition. An active schedule of concert appearances is maintained throughout the year. Serves as the opera orchestra during first block of the spring semester. Class meeting: Two 90-minute rehearsals per week. 0-0.5 credit for music majors; 1 credit for non-music majors. (F-S)

Distribution: L.A.

MUEN 12300 - Brass Choir (0 to 1)
Study, rehearsal, and performance of standard brass choir literature and orchestral works. Open to any student who can qualify by audition. Class meeting: Two hours per week. 0-0.5 credit for music majors; 1 credit for non-music majors. (F-S)

Distribution: L.A.

MUEN 12500 - Vocal Jazz Ensemble (0 to 1)
A select jazz chamber ensemble for singers and instrumentalists. Open to any student who can qualify by audition. An active program of concerts is scheduled each semester. Class meeting: Four hours per week. 0-0.5 credit for music majors; 1 credit for jazz studies majors who take the course as a major ensemble; 1 credit for non-music majors. (F-S)

Distribution: L.A.

MUEN 12700 - Percussion Ensemble (0 to 1)
Ensemble experience and exposure to contemporary percussion literature. Several concerts are scheduled each semester. Open to any student who can qualify by audition. Class meeting: Four hours per week. 0-0.5 credit for music majors; 1 credit for non-music majors. (F-S)

Distribution: L.A.

MUEN 12900 - Improvisation Ensemble (0 to 1)
An ensemble dedicated to the performance of non-notated music created spontaneously, and not necessarily in any particular musical style. Introductory study of how compositions can be structured "in the moment" through the use of compositional principles including large-scale form, motivic development, melodic construction, harmony, and orchestration. The ensemble performs at Composition Recitals. Prerequisite: Music major or minor, or permission of instructor. 0-1 credit. (F-S)

Distribution: L.A.

MUEN 21700 - Accompanying Master Class (1)
Performance class in accompanying skills and literature. Focuses on specific concerns with regard to accompanied literature, including stylistic interpretation of vocal music of varying languages and periods, as well as instrumental works representative of varying styles, instrument families, and genres. Required of all piano performance majors. Open to others by permission of instructors. Class meeting: One hour per week. Prerequisites: MUEN 11700-11800. 1 credit. (F-S)

Distribution: L.A.

MUEN 21800 - Accompanying Master Class (1)
Performance class in accompanying skills and literature. Focuses on specific concerns with regard to accompanied literature, including stylistic interpretation of vocal music of varying languages and periods, as well as instrumental works representative of varying styles, instrument families, and genres. Required of all piano performance majors. Open to others by permission of instructors. Class meeting: One hour per week. Prerequisites: MUEN 11700-11800. 1 credit. (F-S)

Distribution: L.A.

MUEN 30300 - Piano Ensemble (0 to 1)
Study and performance of music for piano: four hands, one and two pianos, and eight hands, two pianos. Required of all piano majors in the performance and four-and-a-half-year programs; also open to other undergraduate and graduate piano majors. Class meeting: Two hours per week. Prerequisites: PFMJ 20300 or by audition. 0-0.5 credit for music majors; 1 credit for pianists who take the course as a major ensemble; 1 credit for non-music majors. (F)

Distribution: L.A.

MUEN 31700 - Piano/Instrumental Duo (.5 to 1)
A performance master class focusing on literature for piano and instrument. Students enroll as a performance team and remain together for the semester. Appropriate literature is chosen in consultation with the course professor and major teachers. Students prepare assigned literature for class performance and critique. This course may substitute one time for chamber music (0.5 credit). May be taken for 0.5 credit if a second ensemble. Class meeting: One hour per week. Prerequisites: MUEN 21800 or by audition. 0.5-1 credit. (F-S)

Distribution: NLA.

MUEN 31800 - Piano/Vocal Duo (.5 to 1)
A performance master class focusing on literature for piano and voice. Students enroll as a performance team and remain together for the semester. Appropriate literature is chosen in consultation with the course professor and major teachers. Students prepare assigned literature for class performance and critique. This course may substitute one
time for chamber music (0.5 credit). May be taken for 0.5 credit if second ensemble. Class meeting: One hour per week. Prerequisites: MUEN 21800 or by audition. 0.5-1 credit. (F-S)

Distribution: NLA.

MUMC 14000 - Musical Theater Rehearsal and Performance (0 to 2)

Participation in rehearsal and performance of a major musical theater production sponsored jointly by the Department of Theatre Arts in the School of Humanities and Sciences. Students receive credit for assignments in instrumental or vocal performance. Evaluated for pass/fail grade only by the music faculty member in charge of the designated area of specialization. Evaluation based on degree of professional attitude and quality of performance. Audition required prior to enrolling. Class meeting: Varies according to the extent of the role/credit granted. Music students may not enroll in THPA 13000 Rehearsal and Performance. May be taken for a maximum of 4 credits. 0-2 credits. (F-S)

Distribution: NLA.

MUMC 14100 - Recording Workshop (0)

A forum to develop critical listening skills on a regular and ongoing basis, critique each other’s work, examine and discuss aesthetic considerations of recording, and examine new technologies. 0 credits. (F-S)

Distribution: NLA.

MUMC 14200 - Introduction to Recording Services (1)

Introduction to equipment, operation and techniques necessary to work at the staff engineer level for archival recitals, live sound reinforcement, recording sessions, compact disc duplication, and office management. Prerequisites: Acceptance in the sound recording technology major. 1 credit. (F)

Distribution: NLA.

MUMC 14300 - Recording Services Training II (1)

Basic technical support and repair techniques for audio electronics used in recording and live sound reinforcement, including hazards and safety issues. Emphasis will be on basic construction skills (soldering and wiring), analog-digital calibration, and computer and software troubleshooting. Course requires purchase of a basic tool set; specific information available from instructor. Prerequisites: MUMC 14200. 1 credit. (S)

Distribution: NLA.

MUMC 14500 - Introduction to Electroacoustic Music (2)

Introduces the essential elements of classical and contemporary electroacoustic music. Theoretical and practical studies focus on the elements of sound synthesis, audio mixing, and recording. Students are exposed to major works in the classical electroacoustic field while creating their own compositions. No prior formal training in music or electronics is required. This course may be used as a music elective for the B.M. degree. Students meet for one lecture and one lab per week and are assigned...
biweekly studio time for assignments and their own explorations. 2 credits. (F-S)
Distribution: 3B,FA,LA.

MUMC 16100 - Diction I (2)
A detailed study of the International Phonetic Alphabet, with particular attention to the rules and symbols of English, Italian, and German diction. Application of rules through written assignments, oral drill, language lab work, and individual performance in class. 2 credits. (F)
Distribution: NLA.

MUMC 16200 - Diction II (2)
A detailed study of the International Phonetic Alphabet, with particular attention to the rules and symbols of French diction. Application of rules through written assignments, oral drill, language lab work, and individual performance in class. Prerequisites: MUMC 16100. 2 credits. (S)
Distribution: NLA.

MUMC 16300 - Diction for the Non-Vocal Music Major (2)
The study of the International Phonetic Alphabet (IPA) as it relates to English, Italian, German, and French vowel and consonant sounds. Application of rules through written assignments, oral drill, language lab work, and individual performance in class. For music majors in the Music Education and four-and-one-half-year programs, piano and guitar tracks. 2 credits. (S)
Distribution: NLA.

MUMC 16600 - Career Orientation (1)
Lectures, films, panel discussions, workshops, and performances present thorough coverage of careers in the music field. Members of the School of Music faculty, all of whom are experienced in the areas they discuss, are present during class sessions. These appearances, together with those of selected off-campus guests, permit a realistic appraisal of current vocational opportunities. Students are assisted in (1) selecting goals in the music profession that are realistic in view of present conditions of employment, and (2) evaluating their career goals in light of their own qualifications and those apparently essential for success in the field. Also provides a summary of United States copyright law and its implications for music teachers, performers, and composers. 1 credit. (S)
Distribution: NLA.

MUMC 19900 - Independent Study: Music (1 to 3)
Independent study under the direction of a music faculty member for areas of study otherwise not available in the curriculum. A written proposal must be submitted not later than the end of the first week of classes. Requires approval of the sponsoring faculty member and the dean. Request forms for independent study are available in the music office. Also offered through the London Center. 1-3 credits. (F-S)
Distribution: NLA.

MUMC 19901 - Independent Study: Music (.5 to 3)
Independent study under the direction of a music faculty member for areas of study otherwise not available in the curriculum. A written proposal must be submitted not later than the end of the first week of classes. Requires approval of the sponsoring faculty member and the dean. Request forms for independent study are available in the music office. Also offered through the London Center. 1-3 credits. (F-S)
Distribution: NLA.

MUMC 21000 - Acting and Movement for the Opera Singer (2)
An interdisciplinary course designed to develop musical and theatrical acting skills for singers. Emphasis on acting techniques and styles of movement. Culminates in a performance of an aria using acting styles and movement techniques to create a fully formed, identifiable stage persona. Prerequisites: PFMJ 20100. Others by audition or permission of instructor. 2 credits. (S-B)
Distribution: NLA.

MUMC 24100 - Recording Workshop II (1)
Applications of basic sound systems use skills. Emphasis on refined stereo microphone placement techniques. Laboratory and discussion format explores stereo microphone placements for classical two-track and multi-track recording sessions. Prerequisites: MUMC 14300. 1 credit. (S)
Distribution: NLA.

MUMC 24200 - Recording Workshop II (1)
Applications of basic sound systems use skills. It will include a review of sound system types and classifications. Emphasis will be Live Sound techniques and the acoustical environments, including stage preparation, sound system placement, fold back (monitor mixes), sound system speaker placement, wiring both audio and alternating current, compression and limiting, system equalization, and effect processing uses. Prerequisites: MUMC 24100. 1 credit. (S)
Distribution: NLA.

MUMC 24300 - Critical Listening for the Recording Studio (0.5)
Analysis and comparison of specific recording techniques. Weekly meetings include discussion of artists and recording processes. Pass/fail only. Prerequisites: MUMC 14300. 0.5 credit. (F-S)
Distribution: NLA.
MUMC 24800 - Digital Sound Production (2)
This studio-oriented course explores the concepts and basic applications of MIDI systems. Students learn to use software sequencers in the process of composing and creating classical, electroacoustic, and popular music. This course may be used as a music elective for the bachelor of music degree. Students meet for one lecture and one lab per week, and are assigned biweekly studio time for assignments and their own explorations. Prerequisites: MUMC 14500. 2 credits. (S)
Distribution: FA,LA.

MUMC 24900 - Techniques and Analysis of Electroacoustic Music Composition (2)
An elective for the music major or non-music major with prior electroacoustic composition experience. Subjects covered include alternate MIDI controllers, advanced sequencing techniques, timbre design using a variety of contemporary synthesis techniques, and analysis of representative electroacoustic works by contemporary composers. This course may be used as a music elective for the bachelor of music degree. Students meet for one lecture and one lab per week, and are assigned biweekly studio time for assignments and their own composing. Prerequisites: MUMC 14500; MUMC 24800. 2 credits. (IRR)
Distribution: FA,LA.

MUMC 25000 - Digital Recording and Editing (2)
Enables students to develop expertise in the art and science of digital recording and sound sampling. Topics include the theory and practice of digital recording, editing, and mixing; field sample collection; and music composition techniques using digital recording software. This course may be used as a music elective for the bachelor of music degree. Students meet for one lecture and one lab per week, and are assigned biweekly studio time for assignments and their own composing. Prerequisites: MUMC 14500. 2 credits. (F)
Distribution: FA,LA.

MUMC 27300 - Elective Recital (.5 to 1)
In consultation with their major performance professor, music majors may give a solo recital for elective music credit. These programs may be full recitals (approximately one hour in length), or a shared half recital (approximately one-half hour per performer). Prerequisites: Permission of instructor. Credit: Full recital, 1 credit; half recital, 0.5 credit. (F-S)
Distribution: NLA.

MUMC 27700 - Introduction to the Organ (1)
Basic instruction in playing the organ, with an overview of organ history and construction. Covers the basics of legato, including substitution and thumb glissando, as well as pedal playing. Weekly meetings in a seminar setting include lecture, written, and keyboard components. Prerequisites: PFSM 17600. 1 credit. (F-S)
Distribution: NLA.

MUMC 27900 - Introduction to the Harpsichord (1)
Basic instruction in playing the harpsichord, as well as insight into playing continuo, with an overview of harpsichord history, literature, and construction, and the basics of figured bass realization and figured bass in the context of continuo accompaniment. Adaptation of realized continuo parts into more usable accompaniments is emphasized. Prerequisites: PFSM 17600. 1 credit. (F-S)
Distribution: NLA.

MUMC 28100 - Selected Topics in Music (1 to 3)
Study of topics in music chosen by the instructor and approved by the appropriate department chair. Prerequisites: As appropriate to the topic. 1-3 credits.
Distribution: FA,LA.

MUMC 29900 - Independent Study: Music (1 to 3)
Independent study under the direction of a music faculty member for areas of study otherwise not available in the curriculum. A written proposal must be submitted not later than the end of the first week of classes. Requires approval of the sponsoring faculty member and the dean. Request forms for independent study are available in the music office. Also offered through the London Center. 1-3 credits. (F-S)
Distribution: NLA.

MUMC MUMC-29901 - Independent Study: Music (1 to 3)
Independent study under the direction of a music faculty member for areas of study otherwise not available in the curriculum. A written proposal must be submitted not later than the end of the first week of classes. Requires approval of the sponsoring faculty member and the dean. Request forms for independent study are available in the music office. Also offered through the London Center. 1-3 credits. (F-S)
Distribution: NLA. Offered: F-S.

MUMC 34100 - Advanced Recording Workshop I (1)
Advanced application of recording equipment and technology. Students re-create previously recorded music using current technology. Prerequisites: MUMC 24200. 1 credit. (F)
Distribution: NLA.

MUMC 34200 - Advanced Recording Workshop II (1)
Continuation of MUMC 34100 Advanced Recording Workshop I with additional emphasis on tracking and
acoustical microphone techniques. Prerequisites: MUMC 34100. 1 credit. (S)
Distribution: NLA.
MUMC 34800 - Advanced Microphone Techniques (3)
Advanced application of microphone use skills. Emphasis on refined professional techniques of placement both in stereophony and multi-track usage. Students learn techniques from in-class observations and lab experiences, self-experience in outside situations, and from others' experience. Prerequisites: MUMC 24200 or TVR 37100. 3 credits. (F)
Distribution: NLA.
MUMC 34900 - Advanced Recording Techniques (3)
Advanced application of mixing and recording techniques. Students develop proficiencies in the areas of submixing, signal flow, signal processing, patching, mastering, multi-track sessions, mixing board topology, monitoring systems, and mixes and automation. Prerequisites: MUMC 34800. 3 credits. (S)
Distribution: NLA.
MUMC 35100 - Reaching Out to Audiences (1)
An exploration of how musicians can reach and build broader audiences for the various genres of classical music. Topics include the importance of community involvement, musicians' interaction with audiences, visual presentation of performance (e.g., multimedia, lighting), presenting 20th- and 21st-century music to diverse audiences, connecting with music education programs in colleges and the public schools, and understanding several aspects of music management. Prerequisites: Two semesters of private lessons at level 2. Class meetings: Two hours per week for one block. 1 credit. (F)
Distribution: L.A.
MUMC 37100 - Band Instrument Management and Maintenance (1)
An introduction to the methods, procedures, and terminology necessary to organize, maintain, and distribute an inventory of brass and woodwind instruments in a public school setting. Addresses basic inspection and cleaning techniques, as well as preventative maintenance and instrument storage issues. Inventory control procedures, contracts, and repair budget estimation are covered. This course is open to all instrumental and vocal music majors who plan to teach in public or private schools. Prerequisites: Junior standing. 1 credit. (S,B)
Distribution: NLA.
MUMC 37300 - Required Junior Recital (1)
As a condition for graduation, students in the performance and four-and-a-half year programs are required to present a junior solo recital approximately one hour long. 1 credit. (F-S)
Distribution: NLA.
MUMC 37500 - Style Registration in Organ Music (2)
Study of various stylistic concepts in organ composition and the corresponding types of registration. Exercises in the appropriate registration for instruments of different specifications. 2 credits. (IRR)
Distribution: LA.
MUMC 38100 - Selected Topics in Music (1 to 3)
Study of topics in music chosen by the instructor and approved by the appropriate department. Prerequisites: As appropriate to the topic. 1-3 credits.
Distribution: NLA.
MUMC 39000 - Internship: Music (1 to 3)
Practical experience in a music-related field. A supervised work experience with a cooperating institution or business to provide the student with an opportunity to meet active professionals and to guide career planning. The student must develop a proposed project and carry out its requirements under the supervision of a faculty sponsor. Pass/fail only. Prerequisites: Junior or senior standing; approval of faculty sponsor and dean. 1-3 credits. (F-S)
Distribution: NLA.
MUMC 39900 - Independent Study: Music (.5 to 3)
Independent study under the direction of a music faculty member for areas of study otherwise not available in the curriculum. A written proposal must be submitted not later than the end of the first week of classes. Requires approval of the sponsoring faculty member and the dean. Request forms for independent study are available in the music office. Also offered through the London Center. 1-3 credits. (F-S)
Distribution: NLA.
MUMC 39901 - Independent Study: Music (.5 to 3)
Independent study under the direction of a music faculty member for areas of study otherwise not available in the curriculum. A written proposal must be submitted not later than the end of the first week of classes. Requires approval of the sponsoring faculty member and the dean. Request forms for independent study are available in the music office. Also offered through the London Center. 1-3 credits. (F-S)
Distribution: NLA.
current CAI materials, creating MIDI and digital audio resources for web delivery, and developing musical resources designed for use in teaching. Prerequisites: MUMC 10300; MUED 36900, MUED 37000, MUED 37100, or MUED 37200. 2 credits. (F-S)

Distribution: NLA.

MUMC 41000 - Feldenkrais (1)

This course is based on the Awareness Through Movement® lessons developed by Moshe Feldenkrais. Through gentle movement sequences, musicians can learn to improve coordination, posture, and balance, which can lead to more artistic performance. Prerequisites for music majors: Junior standing. Prerequisites for non-music majors: Permission of instructor. 1 credit. (F)

Distribution: NLA.

MUMC 41100 - Creative Arts Methods for Older Adults (3)

Techniques for developing a creative arts program including music, drama, and movement for older adults. The process combines an overview of gerontological issues and their relationship to the needs of older adults. Classes meet on campus and at local adult-care facilities. Prerequisites: Junior standing. 3 credits. (S,O)

Distribution: NLA.

MUMC 42000 - Selected Topics in Art Song Literature (1)

Changing topics in art song literature and performance practice. Prerequisites: PFMJ 30100 or PFMJ 30300. 1 credit. (F-S-B)

Distribution: NLA.

MUMC 42001 - Selected Topics in Art Song Literature (1)

Changing topics in art song literature and performance practice. Prerequisites: PFMJ 30100 or PFMJ 30300. 1 credit. (F-S-B)

Distribution: NLA.

MUMC 44500 - Musical Theater Workshop (2)

A team-taught, interdisciplinary, performance-oriented course designed to integrate musical and theater performance skills through the selection, development, and presentation of scenes from musicals. Audition required. Prerequisite: Permission of Instructor. 2 credits. (F-S)

Distribution: NLA.

MUMC 44700 - Opera Workshop (2)

A team-taught, interdisciplinary, performance-oriented course designed to integrate musical and theater performance skills through the presentation of scenes from the standard and contemporary operatic repertoire. Audition required. Prerequisite: Permission of Instructor. 2 credits. (F-S)

Distribution: NLA.

MUMC 44800 - Audio Repair, Maintenance, and Calibration (2)

A workshop course on the theoretical and practical skills behind normal maintenance and calibration of both analog and digital equipment in the audio recording studio. This includes tape head alignment, level calibration, mixing console maintenance and repair, the development of troubleshooting and analytical skills, room equalization and acoustics, computer repair, maintenance, and memory management. Prerequisites: COMP 17100; PHYS 16000 or THPA 30600. 2 credits. (F,B)

Distribution: NLA.

MUMC 45000 - Film and Television Scoring (2)

An examination and application of the aesthetic, technical, and compositional decision-making processes used in scoring for film and television. Students study the roles of music in film and television and the compositional techniques used to further the drama and plot. They learn about the mechanics of synchronization, including free-timing, the use of click tracks, and Society of Motion Picture and Television Engineering synchronization, and then apply them in their own scores. The class studies representative cues from classic and contemporary film music repertoire. Students participate in spotting, scoring, mixing, and recording their own cues. Prerequisites: MUMC 24800 or MUMC 25000; MUTH 32100 or MUTH 32101; MUTH 24100 or MUTH 46400. Prerequisites or corequisites: MUTH 43700 or JAZZ 32600. 2 credits. (S,E)

Distribution: NLA.

MUMC 46000 - Opera in London (3)

The class takes advantage of the wide range of operatic activity in London, not only by attending as many live performances as possible, but also by meeting with opera performers and directors and by making backstage visits to London’s two main opera houses. Offered through the London Center. 3 credits. (S)

Distribution: L.A.

MUMC 46900 - String Instrument Maintenance and Repair (1)

An introductory course dealing with string instrument adjustments, troubleshooting, and emergency repairs typically encountered by teachers in public school music programs. Prerequisites: Senior standing. 1 credit. (S,O)

Distribution: NLA.

MUMC 47000 - Introduction to Brass Repair (1)

An introduction to the care, maintenance, and repair of the trumpet, horn, trombone, and tuba. 1 credit. (IRR)

Distribution: NLA.

MUMC 47100 - Introduction to Woodwind Repair (1)
An introduction to tools and tool making, care of woodwinds, emergency repairs, basic clarinet repair skills, and flute and saxophone work. This course is less detailed than MUMC 47200. Those electing this course may not enroll in the spring-semester offering of MUMC 47200. 1 credit. (F)

Distribution: NLA.

MUMC 47300 - Required Senior Recital (2)

As a condition for graduation, students in the performance and four-and-a-half-year programs are required to present a senior solo recital, approximately one hour long. 2 credits. (F-S)

Distribution: NLA,TE.

MUMC 47301 - Required Senior Voice Recital (2)

As a condition for graduation, students in the performance and four-and-a-half year programs are required to present a senior solo recital, approximately one hour long. This capstone experience includes preparation through private voice lessons as well as study of the languages, poetry, and musical and dramatic elements with a vocal coach. Prerequisite: MUMC 37300. Senior standing. Performance Studies (Vocal) or Performance Studies and Education (Vocal) majors only. 2 credits. (F-S)

Distribution: NLA.

MUMC 47500 - Required Collaborative Recital (1)

Students prepare and perform a recital of standard length (approximately 50-60 minutes), composed of approximately one-half vocal and one-half instrumental literature, in collaboration with students from other studios. Students may also fulfill this requirement by appearing in two separate recitals (one instrumental, one vocal) and performing at least half of each recital. Repertoire is approved and coached by the supervising faculty member in PFMJ 44700-PFMJ 44800 Private Accompanying. Grading is by faculty committee. Prerequisites: Senior standing; piano performance-collaborative emphasis major; prior or concurrent registration in PFMJ 44700. 1 credit. (F-S,Y)

Distribution: NLA.

MUMC 48100 - Selected Topics in Music (1 to 3)

Study of topics in music chosen by the instructor and approved by the appropriate department. Prerequisites: As appropriate to the topic. 1-3 credits.

Distribution: LA.

MUMC 48300 - Performance Studies in Early Music (2)

The study and performance of early music for singers and instrumentalists. Projects require transcribing music from primary and secondary sources, studying performance techniques on available historical instruments, and rehearsing and performing the transcribed music.

Historical authenticity versus modern practicality are discussed. May be repeated for credit. 2 credits. (F-S)

Distribution: LA.

MUMC 48500 - Survey of Piano Literature I (1)

The study of piano literature from the high baroque period through the middle romantic periods. The unique facets of each style are explored through analysis, outside readings, score study, guided listening, and individual performances. Periodic examinations and individual projects are required. The course includes one hour of lecture and one half-hour lab meeting weekly, and is required of keyboard majors in the performance program in the senior year. 1 credit. (F,IRR)

Distribution: LA.

MUMC 48600 - Survey of Piano Literature II (1)

The study of piano literature from the middle romantic period through the 20th century. The unique facets of each style are explored through analysis, outside readings, score study, guided listening, and individual performance. Periodic examinations and individual projects are required. The course includes one hour of lecture and one half-hour lab meeting weekly, and is required of keyboard majors in the performance program in the senior year. 1 credit. (S,IRR)

Distribution: LA.

MUMC 48700 - Survey of Violin and Viola Literature (2)

The study of violin and viola literature from the 17th century through the 20th century. The unique facets of each style are explored through analysis, outside readings, score study, guided listening, and individual performances. The course includes weekly aural assignments, individual projects, and periodic examinations. Prerequisites: Senior or graduate standing. 2 credits. (S)

Distribution: LA.

MUMC 49000 - Internship: Music (1 to 3)

Practical experience in a music-related field. A supervised work experience with a cooperating institution or business to provide the student with an opportunity to meet active professionals and to guide career planning. The student must develop a proposed project and carry out its requirements under the supervision of a faculty sponsor. Pass/fail only. Prerequisites: Junior or senior standing; approval of faculty sponsor and dean. 1-3 credits. (F-S)

Distribution: NLA,UND.

MUMC 49100 - Music Recording Internship (3 to 6)

Students spend one block working full-time in an approved recording studio, postproduction facility, sound reinforcement company, or multimedia production or development company, applying theories and developing
techniques learned previously. Prerequisites: MUMC 34900. 6 credits. (F,B)

Distribution: NLA,TE.

MUMC 49200 - Music Recording Senior Project (3)
Students produce and master a demo CD (portfolio) of materials for presentation. Materials for the senior project should be drawn primarily from previously recorded projects but should involve additional work, such as final mastering to CD, including appropriate coding, development of artwork, and registering and securing appropriate rights and copyrights. Prerequisites: MUMC 49100. 3 credits. (S)

Distribution: NLA.

MUMC 49300 - Piano Pedagogy (0 to 2)
In-depth study for keyboard majors of methods and materials pertaining to the study of piano as both a major and a minor instrument. Special consideration is given to the area of beginning piano study. Various aspects of both group and individual lessons are considered. 2 credits. (S,IRR)

Distribution: NLA.

MUMC 49400 - Piano Technology (2)
Study of the art and science of piano tuning, repair, and action regulating, including history of the piano and its predecessors; physics of keyboard instruments; and practical work in maintaining and rebuilding pianos. 2 credits. (F)

Distribution: NLA.

MUMC 49900 - Independent Study: Music (1 to 3)
Independent study under the direction of a music faculty member for areas of study otherwise not available in the curriculum. A written proposal must be submitted not later than the end of the first week of classes. Requires approval of the sponsoring faculty member and the dean. Request forms for independent study are available in the music office. Also offered through the London Center. 1-3 credits. (F-S)

Distribution: NLA,TE.

MUMC 49901 - Independent Study: Music (.5 to 3)
Independent study under the direction of a music faculty member for areas of study otherwise not available in the curriculum. A written proposal must be submitted not later than the end of the first week of classes. Requires approval of the sponsoring faculty member and the dean. Request forms for independent study are available in the music office. Also offered through the London Center. 1-3 credits. (F-S)

Distribution: NLA.

MUNM - Music Non-Major

MUNM 10300 - Campus Band (0 to 1)
A wind and percussion ensemble open to any student at Ithaca College who has previously played a wind or percussion instrument. There are no auditions for this ensemble. Campus Band is intended primarily for the non-music major who would like to continue to play an instrument in a large ensemble. One concert is scheduled each semester. Class meeting: Two hours per week. 0-1 credit. (F-S)

Distribution: LA.

MUNM 10302 - Ithaca College Campus Choral Ensemble (0 to 1)
The Ithaca College Campus Choral Ensemble is a vocal ensemble open to any student at Ithaca College. It is intended primarily for the non-music major who would like to sing in a large vocal ensemble and is dedicated to the performance of repertoire that represents a wide variety of styles, time periods, and cultures. There are no auditions for this ensemble. One concert is scheduled each semester. 0-1 credit. (F-S)

Distribution: LA.

MUNM 10304 - Ithaca College Sinfonietta (0 to 1)
The Ithaca College Sinfonietta (ICS) is an instrumental ensemble open to any student at Ithaca College who has prior experience performing a traditional orchestral instrument (woodwinds, brass, strings, or percussion). The repertoire is primarily based on full and string orchestra literature ranging from NYSSMA grade III to VI, and is selected to provide an enriching opportunity for a range of performers to experience both musical growth and enjoyment. There are no auditions for this ensemble. One concert is scheduled each semester. 0 – 1 credit. (F-S)

Distribution: LA.

MUNM 10400 - Basic Materials of Music (2)
Study of rhythm and meter, pitch, intervals, scales, key signatures and relationships, triads, notation, and terms and symbols. This course is designed primarily for B.F.A. musical theater and other non-music majors. 2 credits. (S)

Distribution: FA,LA.

MUNM 10700 - Class Voice for the Non-Music Student (1)
Small classes in voice to develop an understanding of the vocal mechanism and the application of sound principles of breath control and vowel placement. Course content is designed for the non-music student. 1 credit. (F-S)

Distribution: LA.

MUNM 10800 - Class Voice for the Non-Major Student (1)
Small classes in voice to develop an understanding of the vocal mechanism and the application of sound principles of breath control and vowel placement. Course content is designed for the non-music student. 1 credit. (F-S)

Distribution: LA.

MUNM 13000 - Music in Society (3)

An exploration of the social roles and implications of music in various cultures, leading to its role in contemporary America. The music is analyzed in terms of its elements -- melody, harmony, rhythm, timbre, and form -- as a means of identifying its aesthetic, cultural, and social functions. This course may be used as a music elective for the bachelor of music degree or as a liberal arts elective for the bachelor of arts in music degree. 3 credits. (F-S)

Distribution: 3B,FA,LA.

MUNM 14000 - Rock Styles Since 1955 (3)

An exploration of the styles of rock music since 1955. Rock is the primary topic, but also considered are styles that interact with rock (blues, gospel, pop, country, jazz, classical). The historical and sociological impact of various works and styles will be discussed, but the focus of the class is the identification of styles based on aural characteristics such as rhythm, melody, texture, and form. 3 credits. (F-S)

Distribution: 3B,FA,LA.

MUNM 16100 - Worlds of Music (3)

An introductory survey of the music of different cultures, with an emphasis on Native American, West African, South African, and South Asian contexts. Musical meaning is explored through classroom discussion, musical analysis, listening, and active participation in music making. 3 credits. (F)

Distribution: 3B,FA,LA.

MUNM 16200 - Pop ’n’ Rock (2)

For non-music and music majors. A historical overview of rock ’n’ roll and popular music, based on listening and analysis of selected musical examples representing stylistic evolution from 1950 to the present. The first few classes are devoted to developing listening techniques (i.e., aural perception of melody, harmony, rhythm, meter, timbre, texture, form, tempo, and dynamics). Course grades are based on exams and a final research paper. This course may be used as a music elective for the bachelor of music degree or as a liberal arts elective for the bachelor of arts in music degree. 2 credits. (S)

Distribution: 3B,FA,LA.

MUNM 16300 - Music in London (3)

A course for non-music majors focusing on London concerts. The performances are preceded by appropriate historical and theoretical preparation and followed by written and oral critiques. A variety of performances are scheduled, including large ensembles, opera, chamber music, jazz, piano, organ, and voice. Offered through the London Center. 3 credits. (F-S)

Distribution: FA,LA.

MUNM 17100 - Keyboard Musicianship I for Musical Theater Majors (1)

An introduction to the fundamentals of keyboard musicianship. Skill emphasis is placed on technique, repertoire, reading, rhythm, harmonization, transposition, playing by ear, and improvisation. Material drawn from popular and classical repertoire. Placement by audition only. 1 credit. (F)

Distribution: NLA.

MUNM 17200 - Keyboard Musicianship II for Musical Theater Majors (1)

A continuation of keyboard skills developed in MUNM 17100. Additional emphasis is placed on accompaniment styles, reading, lead line notation, and development of arrangements from lead lines. Course material is drawn largely from popular music sources. Prerequisites: MUNM 17100. 1 credit. (S)

Distribution: NLA.

MUNM 17300 - Keyboard Musicianship I for the Non-Music Major (1)

An introduction to the fundamentals of music at the piano. Emphasis is placed on music notation, technique, rhythm, intervals, major and minor triads, tetrachords, improvisation, creating accompaniments, reading, and playing by ear. Material is drawn from popular and classical repertoire. Designed for the beginning pianist. 1 credit. (F-S)

Distribution: LA.

MUNM 17400 - Keyboard Musicianship II for the Non-Music Major (1)

A continuation of keyboard skills developed in MUNM 17300. Additional emphasis is placed on major and minor keys and scales, modes, transposition, non-harmonic tones, and creating accompaniments using tonic and dominant harmonies. Solo and ensemble repertoire drawn from classical and popular styles. This course is appropriate for students who have completed MUNM 17300 successfully or who have studied piano previously. 1 credit. (F-S)

Distribution: LA.

MUNM 22100 - Musicianship for the Theater I (3)

Musicianship studies designed specifically for B.F.A. musical theater majors: sight-singing, analysis, score reading, keyboard skills, and a variety of theoretical topics
emphasizing diatonic music and music in traditional meters. Prerequisites: MUNM 10400. 3 credits. (F)
Distribution: FA,LA.
MUNM 22200 - Musicianship for the Theater II (3)
Musicianship studies designed specifically for B.F.A. musical theater majors -- sight-singing, analysis, score reading, keyboard skills, and a variety of theoretical topics emphasizing chromatic music and music in non-traditional meters. Prerequisites: MUNM 22100. 3 credits. (S)
Distribution: FA,LA.
MUNM 25100 - Music and the Media (3)
A study and comparison of the forms and styles of music commonly used by the media, including radio, television, and film. Analysis of a variety of musical styles, especially music created expressly for media use, focuses on musical and media intent and function, methods of presentation, emotional response, and judgmental listening. No previous experience in music is required. This course may be used as a music elective for the bachelor of music degree or as a liberal arts elective for the bachelor of arts in music degree. 3 credits. (S)
Distribution: 3B,FA,LA.

MUNM 25300 - Involvement with Music (3)
An exploration of practical music theory and structure designed for students with little or no music training. Skills are developed in the areas of aural perception (sight-singing, dictation, and listening), fundamentals, harmony, composition, conducting, and music analysis. For non-music majors only. 3 credits. (F-O)
Distribution: FA,LA.
MUNM 25500 - Women in Music (3)
An examination of the music and lives of women in various musical settings, beginning with classical music in medieval Europe and shifting, in the 20th century, to popular music in the United States. The class examines women's roles and contributions as singers, instrumentalists, composers, and conductors, as well as the challenges facing women as professional musicians. These are viewed within the context of society's perception of women at the time. Listening and analytical skills are developed through studying the music itself. The class is designed for non-music majors, with no musical background necessary, and issues raised are relevant to both men and women. This course may be used as a music elective for the bachelor of music degree or as a liberal arts elective for the bachelor of arts in music degree. Prerequisites: Sophomore standing. 3 credits. (F)
Distribution: 3B,FA,H,LA.
MUNM 25600 - Women in Popular Music: From Bessie Smith to MTV (3)
An examination of the lives and contributions of women in popular American music of the 20th century, focusing on their role in society as well as the challenges they have faced in developing their professional and personal lives, raising issues relevant to both men and women. The development of American popular culture is viewed in the context of its political climate and in terms of its roots in African American music, country and western music, and the music of American musical theater. The course focuses on the women practitioners in the genres of blues, jazz, gospel, country, and folk music; musical theater; rock; and contemporary pop music. The music is examined in detail, and listening and analytical skills are developed. This course is designed for non-music majors, with no musical background necessary. It may be used as a music elective for the bachelor of music degree or as a liberal arts elective for the bachelor of arts in music degree. Prerequisites: Sophomore standing. 3 credits. (S)
Distribution: 3B,FA,H,LA.
MUNM 25700 - History of American Popular Song (3)
A survey of popular song in America from the Pilgrims to the present, in which the history of America is brought to life through the study of our continuing rich heritage of popular song. Discussion of the songs focuses on musical content, lyric meaning and message, performance practice and parameters, social and cultural functions, and the historical conditions and events that fostered the development and growth of the various popular styles. This course is designed for non-music majors, with no musical background necessary. It may be used as a music elective for the bachelor of music degree or as a liberal arts elective for the bachelor of arts in music degree. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: 3B,FA,H,LA.
COURSE DESCRIPTIONS

lives and works of artists; the relationship between the industry and the artists from race records onward; and includes in-depth analysis of the music, text, and stylistic influences and evolution. May be used as a music elective for the bachelor of music degree or as a liberal arts elective for the bachelor of arts in music degree. Prerequisites: Sophomore standing. 3 credits. (S)

Distribution: 3B,FA,H,LA.

MUNM 35100 - American Musical Theater: History and Analysis (3)

A historical study of the American musical theater from its origins to the present, including analysis of its musical and dramatic components, with special emphasis placed on the content, role, and function of the music. The course utilizes live performances in and out of class, focusing study on area productions. This course may be used as a liberal arts elective for the bachelor of arts in music degree or as a music elective for the bachelor of music degree. Prerequisites: Sufficient knowledge of musical notation to follow a written melody and lyrics while listening to a recording; junior standing. 3 credits. (F,E)

Distribution: 3B,FA,H,LA.

MUTH - Music Theory, Sightsinging, Composition

MUTH 10100 - Fundamentals of Music Theory (1)

Study of rhythm and meter, pitch, intervals, tonality, scales, key signatures and relationships, triads, notation, and terms and symbols. 1 credit. (F-B)

Distribution: FA,LA.

MUTH 10101 - Fundamentals of Music Theory (1)

Study of rhythm and meter, pitch, intervals, tonality, scales, key signatures and relationships, triads, notation, and terms and symbols. 1 credit. (F-B)

Distribution: FA.

MUTH 10200 - Freshman Music Theory Seminar (1)

Changing topics in introductory music theory and analysis. 1 credit. (F-B)

Distribution: LA.

MUTH 12100 - Introduction to Musical Styles (2)

Students will develop the ability to understand music in many historical and cultural contexts, and will develop and advance their basic music literacy, especially a working knowledge of the elements of musical design. In addition, students will develop critical listening skills and an awareness of chronology and will learn a variety of music literature. 2 credits. (F)

Distribution: 3B,FA,H,LA.

MUTH 12200 - Music Theory I (2)

Study of two-voice contrapuntal frameworks, triads and seventh chords and their inversions, nonchord tones, and tonal structure involving diatonic harmony. Written application of all subject material, demonstrating the principles of good voice leading. Keyboard and vocal demonstration of harmonic concepts. Harmonic and structural analysis of selected works. Aural recognition of chord sonority types, harmonic progressions, cadences, and textures. Prerequisites: MUTH 10100 or successful results from the placement exam. 2 credits. (F-S)

Distribution: FA,LA.

MUTH 12201 - Music Theory I -- Honors (2)

A more in-depth study of the material covered in MUTH 12200. Prerequisites: Placement testing. 2 credits. (S)

Distribution: FA,LA.

MUTH 13300 - Sight-Singing I (1.5)

Basic musical skills are developed through singing prepared and unprepared material, melodic and rhythmic dictation, and vocalkeyboard exercises. Sight-singing is based on moveable “do” solfeggio syllables using exercises in the major mode only, in the treble, alto, and bass clefs. Rhythmic material is comprised of simple, compound, and changing meters, including first division of the beat, fundamental rhythm patterns, and complementary rhythm. 1.5 credits. (F-S)

Distribution: FA,LA.

MUTH 13301 - Sight-Singing I -- Honors (1.5)

A more in-depth study of the material covered in MUTH 13300. Registration is based on placement testing. 1.5 credits. (F)

Distribution: FA,LA.

MUTH 13400 - Sight-Singing II (1.5)

Skills learned in MUTH 13300 or MUTH 13301 are developed further. Minor mode and tenor clef are introduced. Syncopation, anacrusis phrasing, second division of the beat, and changing meter are presented. Prerequisites: MUTH 13300 or MUTH 13301. 1.5 credits. (F-S)

Distribution: FA,LA.

MUTH 13401 - Sight-Singing II -- Honors (1.5)

A more in-depth study of the material covered in MUTH 13400. Prerequisite: MUTH 13301 or excellent achievement in MUTH 13300 and departmental approval. 1.5 credits. (S)

Distribution: FA,LA.

MUTH 14100 - First-Year Composition (3)
Practical study of the techniques necessary for coherent expression in a creative work. Students examine established works and are assigned original musical excerpts and original compositions, exploring aspects of formal structure and style. Three class meetings per week. Open to first-year composition majors or by permission of the instructor. 3 credits. (F)

Distribution: NLA.

MUTH 14200 - First-Year Composition (3)

A continuation of MUTH 14100. Open to first-year composition majors or by permission of the instructor. 3 credits. (S)

Distribution: NLA.

MUTH 22100 - Music Theory II (2)

Continued study of diatonic harmony. Study of period design and other small musical formal structures, harmonic sequences, applied chords, and tonization and modulation. Written application of all subject material, demonstrating the principles of good voice leading. Keyboard and vocal demonstration of harmonic concepts. Harmonic and structural analysis of selected works. Aural recognition of sonority types, harmonic progressions, textures, and form. Prerequisites: MUTH 12200 or MUTH 12201. 2 credits. (F-S)

Distribution: LA.

MUTH 22101 - Music Theory II -- Honors (2)

A more in-depth study of the material covered in MUTH 22100. Prerequisite: MUTH 12201 or excellent achievement in MUTH 12200 and departmental approval. 2 credits. (F)

Distribution: LA.

MUTH 22200 - Music Theory III (2)

Study of the mode mixture, chromatic tonization and modulation, the Neapolitan sixth chord, augmented sixth chords, extended tertian chords, and more advanced harmonic topics. Written application of all subject material, demonstrating the principles of good voice leading. Keyboard and vocal demonstration of harmonic concepts. Harmonic, structural, and aural analysis of selected works in binary and ternary form. Aural recognition of sonority types, harmonic progressions, textures, and form. Prerequisites: MUTH 22100 or MUTH 22101; MUTH 12100. 2 credits. (F-S)

Distribution: LA.

MUTH 22201 - Music Theory III – Honors (2)

A more in-depth study of the material covered in MUTH 22200. Prerequisite: MUTH 22101 or excellent achievement in MUTH 22100 and departmental approval. 2 credits. (S)

Distribution: NLA.

MUTH 23300 - Advanced Sight-Singing III (1)

Advanced musical skills are developed through the study of modulations to distant-related keys, transient modulations, and modal melodies. Introduction to 20th-century music through impressionist, post-tonal and atonal melodies, trichord patterns, and complex rhythmic and metric combinations. Prerequisites: MUTH 13400 or MUTH 13401. 1 credit. (F-S)

Distribution: LA.

MUTH 23400 - Advanced Sight-Singing IV (1)

Advanced musical skills are developed further through the study of modulations to distant-related keys, transient modulations, and modal melodies. Introduction to 20th-century music through impressionist, post-tonal and atonal melodies, trichord patterns, and complex rhythmic and metric combinations. Prerequisites: MUTH 23300 or MUTH 23301. 1 credit. (F)

Distribution: LA.

MUTH 24100 - Composition (3)

Study and application of the techniques necessary for coherent expression in creative musical work. Students are assigned original compositions to explore motivic, harmonic, and formal design, as well as style, idiom, and orchestration, in order to create effective and meaningful works. Registration is based on previous written work and the permission of the instructor. Private tutorial instruction and one class meeting per week. 3 credits. (F-S)

Distribution: NLA.

MUTH 24200 - Composition (3)

Study and application of the techniques necessary for coherent expression in creative musical work. Students are assigned original compositions to explore motivic, harmonic, and formal design, as well as style, idiom, and
COURSE DESCRIPTIONS

MUTH 25500 - History and Literature of Music I (3)
Survey of music from the early Christian era to the mid-18th century, focusing on origins and evolution of musical styles, forms, and genres. Social and cultural contexts are examined in relation to musical materials and their application within specific repertoires. Prerequisites: Any MUTH course. 3 credits. (S)
Distribution: 3B,G,H,HU,LA.

MUTH 25600 - History and Literature of Music II (3)
Survey of music from the mid-18th century to the late 19th century, focusing on distinctive features of musical styles, forms, and genres. Social and cultural contexts are examined in relation to musical materials and their application within specific repertoires. Prerequisites: MUTH 25500. 3 credits. (F)
Distribution: 3B,G,H,HU,LA.

MUTH 32100 - Form and Analysis (2)
Examination of the traditional techniques of musical form and structure and their application to compositions primarily from the 18th and 19th centuries. Prerequisites: MUTH 22200 or MUTH 22201. 2 credits. (F)
Distribution: LA.

MUTH 32101 - Form and Analysis -- Honors (2)
A more in-depth study of the material covered in MUTH 32100. Prerequisite: MUTH 22201 or excellent achievement in MUTH 22200 and departmental approval. 2 credits. (F)
Distribution: LA.

MUTH 32200 - Analysis of Music since 1900 (2)
Study of harmonic, rhythmic, melodic, and formal techniques from about 1900 to the present. Introduction of various analytical systems. Prerequisites: MUTH 22200 or MUTH 22201. 2 credits. (S)
Distribution: LA.

MUTH 32201 - Analysis of Music since 1900 - Honors (2)
A more in-depth study of the material covered in MUTH 32200. Prerequisite: MUTH 22201 or excellent achievement in MUTH 22200 and departmental approval. 2 credits. (S)
Distribution: LA.

MUTH 34100 - Composition (3)
Study and application of the techniques necessary for coherent expression in creative musical work. Students are assigned original compositions to explore motivic, harmonic, and formal design, as well as style, idiom, and orchestration, in order to create effective and meaningful works. Registration is based on previous written work and the permission of the instructor. Private tutorial instruction and one class meeting per week. 3 credits. (F-S)
Distribution: NLA.

MUTH 34200 - Composition (3)
Study and application of the techniques necessary for coherent expression in creative musical work. Students are assigned original compositions to explore motivic, harmonic, and formal design, as well as style, idiom, and orchestration, in order to create effective and meaningful works. Registration is based on previous written work and the permission of the instructor. Private tutorial instruction and one class meeting per week. 3 credits. (F-S)
Distribution: NLA.

MUTH 35500 - History and Literature of Music III (3)
Survey of music from about 1900 to the present, focusing on transformations of traditional musical idioms as well as newly developed styles. Social and cultural contexts, including politics, censorship, and economic factors, are examined in relation to musical materials and their application within specific repertoires. Prerequisites: MUTH 25600. 3 credits. (S)
Distribution: 3B,G,H,HU,LA.

MUTH 36000 - Figured Bass and Score Reading (1)
A practical course in the realization of figured bass and Roman numeral progressions at the keyboard. Open score reading of string quartet and other instrumental and vocal literature. Prerequisites: MUTH 22200 or MUTH 22201. 1 credit. (S,E)
Distribution: LA.

MUTH 42100 - Topics in Music Theory and Analysis (2)
Changing topics in music theory and analysis. Prerequisites: MUTH 32200 or MUTH 32201. 2 credits. (Y)
Distribution: LA.

MUTH 42900 - Advanced Aural Skills (1)
Extends aural skills developed in lower-level courses in the sight-singing, music theory, and music history core, including emphases on formal analysis and music since 1900. Prerequisites: MUTH 23400 or MUTH 23401; MUTH 32100 or MUTH 32101; MUTH 35500; and prior or concurrent registration in MUTH 32200 or MUTH 32201. 1 credit. (S,B,E)
Distribution: LA.
MUTH 43100 - Sixteenth-Century Counterpoint (2)
Study of polyphonic techniques based on the stylistic principles of the 16th-century sacred literature. Composition of canons, motets, and movements from the mass. Prerequisites: MUTH 25500; MUTH23300 or MUTH23301. Corequisites: MUTH 32100 or MUTH 32101. 2 credits. (F-B,O)
Distribution: LA.

MUTH 43200 - Eighteenth-Century Counterpoint (2)
Study of polyphonic techniques based on the stylistic principles of the 18th-century keyboard literature. Invention (two- and three-voice), chorale prelude, canon, and fugue are studied. Analysis and written projects. Prerequisites: MUTH 32100 or MUTH 32101. 2 credits. (S,E)
Distribution: LA.

MUTH 43500 - Choral Arranging (2)
Arranging for elementary through high school choruses and special choirs. Analysis and study of choral part-writing, encompassing unison, simple two-, three-, and four-part, and multi-voice units. Prerequisites: MUTH 22200 or MUTH 22201. 2 credits. (Y)
Distribution: LA.

MUTH 43700 - Orchestration (2)
Study of orchestral and band instruments in terms of range, transposition, and individual characteristics. Scoring of works for both standardized and less common ensembles of various sizes. Performance of works in class whenever possible. Prerequisites: MUTH 32200 or MUTH 32201. 2 credits. (F-S)
Distribution: LA.

MUTH 44100 - Composition (3)
Study and application of the techniques necessary for coherent expression in creative musical work. Students are assigned original compositions to explore motivic, harmonic, and formal design, as well as style, idiom, and orchestration, in order to create effective and meaningful works. Registration is based on previous written work and the permission of the instructor. Private tutorial instruction and one class meeting per week. 3 credits. (F-S)
Distribution: NLA.

MUTH 44200 - Composition (3)
Study and application of the techniques necessary for coherent expression in creative musical work. Students are assigned original compositions to explore motivic, harmonic, and formal design, as well as style, idiom, and orchestration, in order to create effective and meaningful works. Registration is based on previous written work and the permission of the instructor. Private tutorial instruction and one class meeting per week. 3 credits. (F-S)
Distribution: NLA.

MUTH 44300 - Pedagogy of Music Theory (3)
A survey of the pedagogical aspects of teaching music theory and aural skills on the high school and college levels. Focus on current approaches, presentation, and implementation of materials suitable for the study of theory, harmony, and aural skills. Prerequisites: MUTH 32100 or MUTH 32101. 3 credits. (S, O)
Distribution: NLA.

MUTH 45100 - Instrumental Chamber Music Literature (3)
A historical survey of instrumental chamber music from the Renaissance to the present. Prerequisites: MUTH 35500. 3 credits. (S)
Distribution: LA.

MUTH 45200 - The History and Literature of the Art Song (3)
A broad historical survey of the secular art song from the Middle Ages to the present, with greatest emphasis placed on the German, French, Italian, and English song repertory of the 18th and 19th centuries. Prerequisites: MUTH 35500. 3 credits. (IRR)
Distribution: LA.

MUTH 45700 - History and Literature of Opera (3)
Traces the history, development, and repertory of opera from the beginning of the Baroque period to the present. The primary focus of the course, however, is on the standard performing repertory from Handel through Britten. Live performance in class and video excerpts of great performances provide stimuli for class discussion. Prerequisites: MUTH 35500. 3 credits. (F, B)
Distribution: FA,LA.

MUTH 45800 - The Symphony (3)
The study of orchestral music, tracing its development from the baroque era to the present. Representative examples of the concerto and symphonic poem are included. Prerequisites: MUTH 35500. 3 credits. (F)
Distribution: LA.

MUTH 46400 - Introduction to Composition (2)
The study and practice of compositional procedures used in traditional and contemporary concert music, leading to composing brief works for solo instruments and small chamber ensembles. Prerequisites: MUTH 22200 or MUTH 22201; MUTH 23400 or MUTH 23401; MUTH 35500. 2 credits. (F)
Distribution: LA.
OTBS - Occupational Therapy - Undergrad

OTBS 10600 - Introduction to Occupational Science (3)
An overview of the science of human occupation and theoretical models that are used to describe the impact of occupation on individuals. Includes the personal, physical, psychosocial, cultural, and environmental factors of work, self-care, and play/leisure. An introduction to the domain of occupational therapy is included. 3 credits. (F-S, Y)

Distribution: 1, LA.

OTBS 20100 - Human Development I (3)
Study of developmental theories and factors influencing normal development from prenatal to adolescence. Developmental norms and sequences are examined, with emphasis on sensorimotor, cognitive, and psychosocial tasks, as well as occupational development. Beginning skills in the observation of normal children are developed. Prerequisites: PSYC 10300; sophomore standing. 3 credits. (F, Y)

Distribution: 1, LA.

OTBS 20200 - Human Development II (3)
Continued study of developmental theories and factors influencing normal development from adolescence through older adulthood. Developmental norms and sequences are examined with emphasis on sensorimotor, cognitive, and psychosocial development, and performance of self-care, work, and leisure occupations as these are related to development and role performance across the life span. Students will engage in independent and group learning and develop interview and observation skills. Prerequisites: PSYC 10300; sophomore standing. 3 credits. (S, Y)

Distribution: 1, LA.

OTBS 20600 - The Culture of Disability (3)
An examination of the historical and sociocultural construction of disability through readings, discussion, film, and personal narrative. The history of several disability groups will be used as case studies to analyze the ideological, socioeconomic, political, and cultural experience of disability. Prerequisites: Sophomore standing or permission of instructor. 3 credits. (F, Y)

Distribution: 1, H, LA, SS.

OTBS 21000 - The Cancer Experience (3)
Introduction to the major types of cancer, impact of cancer on the individual, basic medical terminology, cultural differences in types of cancer, and external and internal influences on cancer, as well as treatment, adjustments, and coping strategies. Prerequisites: Sophomore standing. 3 credits. (IRR)

Distribution: 1, LA.

OTBS 21100 - Occupational Therapy in Life Skills (1 to 2)
Concepts of occupational therapy and other allied health disciplines are applied through observation and direct interaction with the neurologically impaired adult population, attending interdisciplinary team meetings and rounds, and seminar group discussions. Emphasis is on integrating professional behaviors, group activities, basic activity analysis, medical record documentation and client/family interaction within a clinical setting. Prerequisites: OTBS 10600. 1-2 credits. (S, Y)

Distribution: NLA.

OTBS 22000 - Adult Clinical Practice in Occupational Therapy (1)
Observation and participation in clinical treatment provided through the OT/PT clinic at Ithaca College. Treatment of occupational therapy adult clients, as well as participation in other occupational therapy services provided by the clinic. The clinic will provide students with an experiential learning opportunity while serving the needs of adults in the college and local communities. Pass/fail only. Prerequisites: OTBS 10600; occupational therapy major. 1 credit. (F-S, Y)

Distribution: NLA.

OTBS 22100 - Pediatric Clinical Practice in Occupational Therapy (1)
Observation and participation in clinical treatment provided through the OT/PT clinic at Ithaca College. Treatment of occupational therapy pediatric clients, as well as participation in other occupational therapy services provided by the clinic. The clinic will provide students with an experiential learning opportunity while serving the needs of children in the college and local communities. Pass/fail only. Prerequisites: OTBS 10600; occupational therapy major. 1 credit. (F-S, Y)

Distribution: NLA.

OTBS 30500 - Applied Occupations I (0 to 3)
Occupational therapy theory and process are the concentration of this course. Selected theoretical approaches used in occupational therapy are introduced, discussed, compared, and critiqued. Analysis of occupations using occupational therapy models is discussed and practiced. Historical, social, cultural, and political influences on theory development are examined. The teaching-learning process in therapy is applied to the therapeutic process. Prerequisites: OTBS 10600. 3 credits. (S, Y)
Distribution: NLA.

OTBS 30600 - Occupational Apartheid (3)
Expands on content from OTBS 10600. The premise of occupational justice will be explored: personal, political, historical, sociological, cultural, and environmental influences on individual. Engagement in occupation will be analyzed in relation to occupational apartheid. Application of methods to ameliorate identified problems will be incorporated. Prerequisites: OTBS 10600. 3 credits. (S,Y)
Distribution: LA,SS.

OTBS 32000 - Clinical Psychiatry in Occupational Therapy (3)
Study of the basic concepts of identification, definition, and management of psychosocial problems. Major pathological syndromes and their etiologies are examined. Includes an introduction to pharmacology and medical terminology. Emphasis is placed on understanding not only the pathology and medical treatment, but also the effect of the condition on the individual's ability to perform functional activities. Additional emphasis will be placed on children, the elderly, and interdisciplinary teams. Prerequisites: PSYC 32100; OTBS 20200. 3 credits. (S,Y)
Distribution: NLA.

OTBS 33500 - Individual and Group Work in Health Sciences (0 to 4)
Focuses on therapeutic use of self in individual and group relationships. Emphasis is on an action-based, helping, problem-solving model to guide individual interventions. Provides the cognitive, affective, and occupational basis to helping groups for various client populations and settings across the life span. Presents knowledge and experiential opportunity to gain skill to be a competent group leader. Lecture and lab format. Prerequisites: PSYC 10300; 6 credits in sociology and/or anthropology. 4 credits. (F,Y)
Distribution: LA.

OTBS 39900 - Selected Topics in Occupational Therapy (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

OTBS 39902 - Selected Topics in Occupational Therapy (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

OTBS 39903 - Selected Topics in Occupational Therapy (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

OTBS 39904 - Selected Topics in Occupational Therapy (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

OTBS 39905 - Selected Topics in Occupational Therapy (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

OTBS 39906 - Selected Topics in Occupational Therapy (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

OTBS 39907 - Selected Topics in Occupational Therapy (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

OTBS 40000 - Functional Human Anatomy (0 to 5)
Study of the gross anatomical components of the human body through the use of lecture and lab activities using models and electronic media. Emphasis is placed on the musculoskeletal, neurological, and vascular systems of the human body. Prerequisites: BIOL 20600, PTBS 31300. 5 credits. (Sum,Y)
Distribution: LA.
OTBS 41000 - Neuroscience (0 to 3)
Introduction to the science of the nervous system. Provides a framework for understanding the nervous system and the area of applied neurosciences. This course provides a scientific basis for improved patient care by clarifying the relationships between the nervous system and behavior. Selected laboratory and experiential activities enhance lecture, discussion, and reading materials. Prerequisite: OTBS 40000 or PTBS 51002. 3 credits. (F,Y)
Distribution: NLA.

OTBS 42100 - Kinesiology (0 to 4)
The application of gross anatomy to the study of human movement, with emphasis on understanding the interrelated kinetics of normal motion of the musculoskeletal system as they influence functional activities. Evaluation procedures such as manual muscle testing (MMT), joint range of motion (ROM), palpation of surface anatomy, and kinesiological analysis of functional activities are used in laboratory sessions. Prerequisites: OTBS 40000 or PTBS 51002. 4 credits. (F,Y)
Distribution: LA, NS.

OTBS 42500 - Clinical Management in Occupational Therapy (3)
Focuses on the practice of efficient and effective administration in a health care setting. Focus includes health systems perspective; service delivery models and mechanisms; service management of various clinical settings; resource management of personnel, finances, materials, and physical plant; and risk management. Prerequisites: OTBS 45000 or permission of instructor. 3 credits. (S, Y)
Distribution: NLA.

OTBS 43000 - Applied Interventions in Occupational Therapy (0 to 3)
Emphasis is on selected occupational therapy intervention methods. The use of orthotics as a preparatory method in intervention, the evaluation and intervention of biomechanical components, and prosthetics as an occupation-based activity are explored. Adaptation of methods of instructing activities of daily living and design of equipment are also covered. Prerequisites: OTBS 30500; OTBS 40000 or PTBS 51002; OTBS 42100. 3 credits. (S, Y)
Distribution: NLA.

OTBS 44000 - Concepts in Adult Occupational Therapy (0 to 4)
Concepts in occupational therapy for the adult population will be explored. Practice models that are suitable for the adult client population will be addressed within the context of the occupational therapy process. Includes a case based seminar to integrate theory with practice. Prerequisites: OTBS 41000, PTBS 31000. Corequisites: OTBS 45000, OTBS 31000. 4 credits. (F,Y)
Distribution: NLA.

OTBS 44500 - Concepts in Pediatric Occupational Therapy (0 to 4)
Concepts in occupational therapy for the pediatric population will be explored. Practice models that are suitable for the pediatric client population will be addressed within the context of the occupational therapy process. Includes a case based seminar to integrate theory with practice. Prerequisites: OTBS 20100; OTBS 30500; OTBS 40000 or PTBS 51002. Corequisites: OTBS 45500; OTBS 47500. 4 credits. (S, Y)
Distribution: NLA.

OTBS 45000 - Adult Evaluation and Intervention Processes in Occupational Therapy (0 to 3)
The occupational therapy evaluation and intervention processes for the adult population will be explored. This includes development of an occupational profile of the client and conducting an analysis of occupational performance. The intervention phase involves implementation and re-evaluation of the intervention plan. This course includes a clinical fieldwork experience. Prerequisites: OTBS 30500; OTBS 32000; OTBS 40000 or PTBS 51002. Corequisites: OTBS 42100; OTBS 41000; OTBS 47100; OTBS 44000. 3 credits. (F,Y)
Distribution: NLA.

OTBS 45500 - Pediatric Evaluation and Intervention Processes in Occupational Therapy (3)
Explores the occupational therapy evaluation and intervention processes for the pediatric population. Emphasis placed on development of an occupational profile of the client, analysis of occupational performance, and implementation and re-evaluation of the intervention plan. Includes a clinical fieldwork experience. Prerequisites: OTBS 20100; OTBS 30500; OTBS 40000 or PTBS 51002. Corequisites: OTBS 44500; OTBS 47500. 3 credits. (S, Y)
Distribution: NLA.

OTBS 46000 - Research Methods in Occupational Therapy (0 to 3)
Review of the basic methods and designs used in occupational therapy research and inquiry. Includes conceptual foundations of research, basic research methodology, and analysis and interpretation of data. Emphasizes critical evaluation of occupational therapy research literature based on both quantitative and qualitative methods in order to develop evidence-based practitioners. Introduction to the components of the individual thesis proposal and comprehensive literature
Individual research and writing in a particular area of occupational therapy, supervised by a faculty member in the department. An approved design statement is required before registration for this course. Prerequisites: Permission of supervising faculty member, student's adviser, department chair, and dean. 1-3 credits. (F-S,Y)

Distribution: NLA.

OTBS 49902 - Independent Study in Occupational Therapy (1 to 3)

Individual research and writing in a particular area of occupational therapy, supervised by a faculty member in the department. An approved design statement is required before registration for this course. Prerequisites: Permission of supervising faculty member, student's adviser, department chair, and dean. 1-3 credits. (F-S,Y)

Distribution: NLA.

OTBS 49903 - Independent Study in Occupational Therapy (1 to 3)

Individual research and writing in a particular area of occupational therapy, supervised by a faculty member in the department. An approved design statement is required before registration for this course. Prerequisites: Permission of supervising faculty member, student's adviser, department chair, and dean. 1-3 credits. (F-S,Y)

Distribution: NLA.

PALS - Physical Activity, Leisure, Safety

PALS 1000 - Water Safety Instructor (2)

Trains instructor candidates to teach American Red Cross water safety courses. Topics include improving and developing skills and knowledge of swimming and water safety; applying information from the instructor candidate training course to the teaching of swimming; planning and organizing swimming courses; and ensuring students' health and safety. Prerequisites: Proficiency in basic water safety and swimming strokes; current American Red Cross certificate in emergency water safety or lifeguard training. Pass/fail only. 2 credits. (F-S,Y)

Distribution: NLA.

PALS 1500 - Fencing (0.5)

Beginning skills, techniques, and knowledge of foil fencing. Basic etiquette and rules of bouting. Techniques and practice in officiating a bout. Tournament-style bouts during the latter part of the course. Equipment is supplied. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 1700 - Cross-Country Skiing (0.5)

Provides the knowledge and skills to cross-country ski over a variety of snow-covered terrain. Proper use of
PALS 1000 - Basic Alpine Skiing (0.5)

Basic downhill skiing techniques. Special conditions: A fee is charged for this course. Meets one night a week, 4:15-10:30 p.m., off campus. Transportation is provided. Pass/fail only. 0.5 credit. (S,Y)

Distribution: NLA.

PALS 10400 - Dance Exercise with Weights (0.5)

For the student who desires a more difficult workout through the use of wrist weights and ankle weights. Emphasis is placed on strengthening the upper body and on toning hips and legs as students learn about cardiovascular endurance, strength, and flexibility. Pass/fail only. 0.5 credits. (F,S,Y)

Distribution: NLA.

PALS 13000 - Cooperative Teambuilding (0.5)

Students are challenged in individual and group activities that promote self confidence and leadership to be successful. Success requires responsibility, trust, positive attitude and the desire to have fun in a physical activity and strategic setting. May be repeated for up to 1 credit. Pass/Fail only. 0.5 credits (F-S, Y)

Distribution: NLA.

PALS 19900 - Selected Topics in PALS (0.5 to 1)

Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Pass/fail only. 0.5-1 credit. (IRR)

Distribution: NLA.

PALS 19901 - Selected Topics in PALS (0.5 to 1)

Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Pass/fail only. 0.5-1 credit. (IRR)

Distribution: NLA.

PALS 19902 - Selected Topics in PALS (0.5 to 1)

Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Pass/fail only. 0.5-1 credit. (IRR)

Distribution: NLA.

PALS 19903 - Selected Topics in PALS (0.5 to 1)

Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Pass/fail only. 0.5-1 credit. (IRR)

Distribution: NLA.

PALS 200 - Basic Swimming (0.5)

For the person who cannot swim or who can swim but wants to improve his or her strokes. Covered are the front and back crawl, elementary backstroke, breaststroke, butterfly, and sidestroke. Elementary forms of rescue are also taught. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 2000 - Intermediate Alpine Skiing (0.5)

This course focuses on a review of the fundamentals of skiing with emphasis on side slipping, basic skiing movements, and learning efficient, smooth, and continuous movements. Students will be introduced to moguls, varied terrain and conditions, gates and techniques for more efficient carving and games and exercises that provide the opportunity to progress to an advanced level. Student must have previous skiing experience. A fee is charged for this course. The course meets one night a week off-campus at Greek Peak Ski Mountain Resort, 4:15-10:00 pm. Transportation to and from site is provided. Pass/fail only, 0.5 credit (S,Y).

Distribution: NLA.

PALS 2100 - Advanced Alpine Skiing (0.5)

This course focuses on using the skis as a tool (carving), mogul skiing, racing, varied snow conditions, short radius turns, and expert terrain. Student must have previous skiing experience and be confident skiing on black diamond trails. A fee is charged for this course. The course meets one night a week off-campus at Greek Peak Ski Mountain Resort, 4:15-10:00 pm. Transportation to and from site is available. Pass/fail only. 0.5 credits. (S,Y)

Distribution: NLA.

PALS 2200 - Basic Snowboarding (0.5)

Basic downhill snowboarding techniques. Special conditions: A fee is charged for this course. Meets one night a week, 4:15-10:30 p.m., off campus. Transportation is provided. Pass/fail only. 0.5 credit. (S,Y)

Distribution: NLA.

PALS 2201 - Intermediate Snowboarding (0.5)

Focuses on a review of the fundamentals of snowboarding with emphasis on side slipping, heel/toe edging movements, and learning efficient, smooth and continuous movements.
Introduction to moguls, varied terrain and conditions, gates and techniques for more efficient carving. An additional fee is required for this course. Meets one night a week at Greek Peak Ski Mountain Resort. Transportation to and from site is provided. Prerequisites: Student must have previous snowboarding experience. May be repeated for up to 1 credit. Pass/fail only. 0.5 credits (S,Y).

Distribution: NLA.

PALS 2202 - Advanced Snowboarding (0.5)

Focuses on using the board as a tool (carving), mogul boarding, racing, varied snow conditions, short radius turns and expert terrain. An additional fee is required for this course. Meets one night a week at Greek Peak Ski Mountain Resort. Transportation to and from site is provided. Prerequisites: Student must have previous snowboarding experience. May be repeated for up to 1 credit. Pass/fail only. 0.5 credits. (S,Y).

Distribution: NLA.

PALS 2500 - Indoor Tennis (0.5)

Fundamental tennis strokes and rules of the game; increase proficiency in playing tennis by indoor techniques. Indoor rackets and balls provided. Pass/fail only. 0.5 credit. (S,Y)

Distribution: NLA.

PALS 2600 - Basic Tennis (0.5)

Basic strokes, including ground strokes, slice serve, and block volley techniques, for use in singles and doubles play. Coverage of related rules and strategy necessary for game play, scoring, and etiquette. For students with no formal background in either the basic fundamentals or game strategy and no knowledge of scoring, rules, or etiquette. Tennis rackets and balls provided. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 2700 - Intermediate Tennis (0.5)

Review of the ground strokes, slice serve, and block volley; lob and overhead are taught, stressing their use in both singles and doubles play. More game experience. Prerequisites: Ability to demonstrate ground strokes, slice serve, and block volley. Tennis rackets and balls provided. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 2800 - Advanced Tennis (0.5)

Review of all basic strokes, with emphasis on executing them more efficiently. The flat serve and auxiliary strokes such as the half volley, chop, slice, drop volley, and lob volley are taught, stressing competitive play and strategy in both singles and doubles play. Prerequisites: Mastery of ground strokes, slice serve, block volley, lob, and overhead, performed in a game situation. Tennis rackets and balls provided. Pass/fail only. 0.5 credit. (F,Y)

Distribution: NLA.

PALS 3000 - Field Archery I (0.5)

Prepares students for bow hunting, including orientation to New York State hunting laws, game conservation, and bow hunting techniques as well as the development of the bare-bow technique of shooting with a heavier-weight bow than is used in target archery. When proficiency at the target-butt has been demonstrated, shooting at simulated wild-game targets takes place on a natural wooded trail. Equipment is supplied. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 3100 - Field Archery II (0.5)

An extension of Field Archery I. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 3300 - Golf I (0.5)

Develops an understanding and appreciation of the game through learning basic skills such as stance, grip, and swing. If time permits and student ability warrants, a visit to a local golf course will be made. This is a beginner’s course. Equipment is supplied. Pass/fail only. 0.5 credit. (F,S,Y)

Distribution: NLA.

PALS 3400 - Golf II (0.5)

An extension of Golf I. Pass/fail only. 0.5 credit. (F,S,Y)

Distribution: NLA.

PALS 3500 - Badminton I (0.5)

Fundamental skills of badminton necessary to play both singles and doubles; rules and customs involved in badminton. Content includes offensive and defensive skills, singles and doubles strategy and play, rules, and etiquette. Evaluation involves a skills test and a written exam. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 3600 - Badminton II (0.5)

Clears, drop shots, smashes, net shots, serving, and strategy, with special emphasis on doubles play. Prerequisites: PALS 03600, PALS 03700, or permission of instructor. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 3800 - Badminton III (0.5)

Distribution: NLA.

PALS 400 - Scuba Diving (0.5)
COURSE DESCRIPTIONS  

PALS 500 - Introductory Scuba Diving and Certified Scuba (1)
Preparation for the safe and enjoyable recreation of underwater diving. Scuba equipment is furnished. The National Aquatic School program designed for colleges is used. Successful completion of classroom, pool, and open-water sessions results in lifetime international certification. Special conditions: An extra fee is charged for this course. Students are required to complete a medical form at the first class meeting. Prerequisites: Basic swimming proficiency; signed parental or guardian’s release and indemnity agreement for students under 18 years of age. Pass/fail only. 1 credit. (F-S,Y)

Distribution: NLA.

PALS 4000 - Run, Walk, and Jog I (0.5)
Provides students of all ability levels with an opportunity to understand and benefit from a lifetime activity. Techniques covered are warm-ups and flexibility, aerobics, running guidelines, and jogging safety. Training methods, various types of terrain, and special running events are covered. The course concludes with a fitness evaluation. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 4100 - Run, Walk, and Jog II (0.5)
An extension of Run, Walk, and Jog I. The exercise program becomes more individualized. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 4400 - Paddleball I (0.5)
This is a challenging sport and an opportunity for a vigorous workout. The course is suited for the beginner as well as the more experienced player. Basic skills and game strategy are covered, but most of the class time is devoted to playing informal games. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 4500 - Paddleball II (0.5)
An extension of Paddleball I. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 4800 - Billiards/Table Tennis (0.5)
Introduction to skills and strategies involved in billiards and table tennis with the majority of class time spent on pocket billiards. Students will develop the ability to execute various shots as well as understand different games within each activity. Course may be repeated for up to 1 credits. 0.5 credits. (F-S, Y)

Distribution: NLA.

PALS 5000 - Basic Windsurfing (0.5)
Basic boardsailing technique. The class hours are flexible after the first three sessions. Special conditions: A fee is charged for this course. Meets off campus. Transportation is provided. A swimming test is required. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 5100 - Intermediate Windsurfing (0.5)
Intended for students who have mastered the basic boardsailing techniques. The class hours are flexible after the first three sessions. Special conditions: A fee is charged for this course. Meets off campus. Transportation is provided. Prerequisites: PALS 05000. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 5300 - Sailing-Small Boat (0.5)
For the student with little knowledge of sailing. Instruction is on sailboats with two sails. A swimming test is required. Special conditions: A fee is charged for this course. Meets off campus. Transportation is provided. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 5500 - Sailing-Catamaran (0.5)
For students who want to learn to sail a catamaran. A swimming test is required. Special conditions: A fee is charged for this course. Meets off campus. Transportation is provided. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 5700 - Boating Skills and Safety (1)
Introduces students to basic boating skills and techniques. Basic piloting, navigation rules, legal requirements, and dealing with emergencies are discussed. Pass/fail only. 1 credit. (IRR)

Distribution: NLA.
PALS 5900 - Gymnastics Activities I (0.5)
Men practice tumbling, parallel bars, side horse, and vaulting; women practice tumbling, uneven bars, balance beam, and vaulting. Course objectives are to develop basic skills in the above areas, to combine two or more skills, and to promote good spotting techniques. Pass/fail only. 0.5 credit. (IRR)
Distribution: NLA.

PALS 600 - Community Water Safety (0.5)
Participants become familiar with the potential hazards of water activities. They learn to prevent accidents and to respond effectively if an accident does occur. A swimming test is required. Pass/fail only. 0.5 credit. (IRR)
Distribution: NLA.

PALS 6000 - Gymnastics Activities II (0.5)
While Gymnastics Activities I introduces students to various gymnastic events and their basic skills, Gymnastics Activities II is structured to individual specialization, so as to further develop skills and spotting techniques and to combine three or more skills. Pass/fail only. 0.5 credit. (IRR)
Distribution: NLA.

PALS 70 - Women's Intercollegiate Varsity Basketball (0 to .5)
Distribution: NLA.

PALS 73 - Women's Intercollegiate Varsity Gymnastics (0 to .5)
Distribution: NLA.

PALS 74 - Women's Intercollegiate Varsity Lacrosse (0 to .5)
Distribution: NLA.

PALS 75 - Women's Intercollegiate Varsity Softball (0 to .5)
Distribution: NLA.

PALS 76 - Women's Intercollegiate Varsity Swimming (0 to .5)
Distribution: NLA.

PALS 77 - Women's Intercollegiate Varsity Tennis (0 to .5)
Distribution: NLA.

PALS 78 - Women's Intercollegiate Varsity Volleyball (0 to .5)
Distribution: NLA.

PALS 79 - Women's Intercollegiate Varsity Field Hockey (0 to .5)
Distribution: NLA.

PALS 7600 - Basketball I (0.5)
Basic offensive and defensive philosophy and skills. Course content includes lead-up drills and games in all skills, team play, and some strategy. Designed for all levels of ability. Pass/fail only. 0.5 credit. (F-S,Y)
Distribution: NLA.

PALS 7700 - Basketball II (0.5)
An extension of Basketball I. Pass/fail only. 0.5 credit. (F-S,Y)
Distribution: NLA.

PALS 81 - Men's Intercollegiate Varsity Football (0 to .5)
Distribution: NLA.

PALS 82 - Men's Intercollegiate Varsity Soccer (0 to .5)
Distribution: NLA.

PALS 83 - Women's Intercollegiate Varsity Soccer (0 to .5)
Distribution: NLA.

PALS 84 - Men's Intercollegiate Varsity Cross-Country (0 to .5)
Distribution: NLA.

PALS 86 - Women's Intercollegiate Varsity Track and Field (0 to .5)
Distribution: NLA.

PALS 800 - Lifeguarding (2)
The duties and responsibilities of a lifeguard and how to carry them out; lifeguarding techniques, such as how to tow or carry a victim to safety, manage a suspected spinal injury in the water, and use rescue equipment to help rescue a distressed or drowning victim. American Red Cross first aid and basic life support CPR are included in this course. To enroll in this course, a student must successfully complete a 500-yard swim, dive to 9 feet, swim underwater 15 yards, and tread water for one minute at the first meeting. Pass/fail only. 2 credits. (F-S,Y)
Distribution: NLA.

PALS 810 - Lifeguarding Recertification (0.5)
A review and update of the knowledge and skills required for recertification in lifeguarding. Covers lifeguarding techniques such as how to use rescue equipment to tow a victim to safety and how to manage a suspected spinal injury in water. Students demonstrate their ability to become recertified in the American Red Cross lifeguarding program. Maybe repeated once for credit. Prerequisites: Current American Red Cross lifeguarding and CPR for the professional rescuer certificates. Pass/fail only. 0.5 credit. (S,Y)
Distribution: NLA.

PALS 8000 - Volleyball I (0.5)
Introduces the skills and strategies involved in power volleyball. Class periods are spent perfecting such skills as the bump, set, serve, and block. Basic forms of offense and defense are introduced during game play. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 8100 - Volleyball II (0.5)

An extension of Volleyball I. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 8200 - Volleyball III (0.5)

Emphasizes blocking, multiple attack, defensive systems, spiking, the dink, strategy, and a consistent serve.
Prerequisites: PALS 08100; PALS 08200. Pass/fail only. 0.5 credit. (S,Y)

Distribution: NLA.

PALS 91 - Men's Intercollegiate Varsity Baseball (0 to .5)

Distribution: NLA.

PALS 92 - Intercollegiate Varsity Crew (0 to .5)

Distribution: NLA.

PALS 94 - Men's Intercollegiate Varsity Lacrosse (0 to .5)

Distribution: NLA.

PALS 95 - Men's Intercollegiate Varsity Tennis (0 to .5)

Distribution: NLA.

PALS 96 - Men's Intercollegiate Varsity Track and Field (0 to .5)

Distribution: NLA.

PALS 97 - Men's Intercollegiate Varsity Wrestling (0 to .5)

Distribution: NLA.

PALS 98 - Men's Intercollegiate Varsity Basketball (0 to .5)

Distribution: NLA.

PALS 99 - Men's Intercollegiate Varsity Swimming (0 to .5)

Distribution: NLA.

PALS 900 - Lifeguarding Instructor (1)

Provides the knowledge and skills necessary to become an American Red Cross instructor for community water safety, waterfront lifeguarding, head lifeguard and lifeguarding instructor aide, and lifeguard review courses. Prerequisites: Current American Red Cross certificate in lifeguarding and pretests based on the lifeguard training written test and lifeguarding skills test. Pass/fail only. 1 credit. (IRR)

Distribution: NLA.

PALS 9000 - Personal Defense (0.5)

Develops, through the learning of basic skills, an appreciation of the art of defending oneself or one's loved ones and property. Students learn strategy and knowledge of vulnerable areas, legal implications, and the need for physical exercise and safety precautions. Primarily for students who want to learn basic self-defense techniques. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 9100 - Triathlon and Multisport Training (1)

Provide students with an introduction to triathlon while emphasizing the importance of cross-training in an exercise routine. Swimming, running, weight training, and biking. Combination of lecture and exercise. Course is designed for both "first time" triathletes and those interested in fine-tuning their training regimen. Twice each semester, students will participate in an intra-campus sprint triathlon which will include a .5 mile swim, 15 mile stationary bike ride and a 5k run. Fitness evaluation conducted by instructor on first class. Course may be repeated for up to 2 credits. Pass/fail only. 1 credit. (F-S,Y)

Distribution: NLA.

PALS 9300 - Personal Fitness I (0.5)

Provides the skills and activities needed to achieve a high degree of physical fitness. Exercises designed to improve cardiovascular endurance, muscle tone, flexibility, and personal appearance are emphasized. This course develops an appreciation for keeping in good physical condition. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 9400 - Personal Fitness II (0.5)

An extension of Personal Fitness I. Pass/fail only. 0.5 credit. (F-S,Y)

Distribution: NLA.

PALS 9500 - Personal Fitness III (0.5)

Students set their own goals by incorporating more individualized instruction in their daily programs, including jogging, weight training, flexibility exercises, and circuit training. Pass/fail only. 0.5 credit. (IRR)

Distribution: NLA.

PALS 9800 - Basic Jujitsu (1)

A basic course in Dan Zan Ryu Jujitsu. Involves the study of the history, philosophy, and skills of jujitsu. The techniques are a mixture of many of the martial arts and can be used for self-defense. An additional fee for a uniform may be required. Pass/fail only. 1 credit. (F-S,Y)

Distribution: NLA.
PFMJ - Performance-Major

PFMJ 10100 - Voice I - Music Major (1 to 4)
The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce." Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 10101 - Voice I - Music Minors (1)
The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce."
Distribution: NLA.

PFMJ 10102 - Voice I - Secondary Instrument (1)
The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce."
Distribution: NLA.

PFMJ 10300 - Piano I - Music Majors (1 to 4)
Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 10301 - Piano I - Music Minors (1)
Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Variable credit.
Distribution: NLA.

PFMJ 10302 - Piano I - Secondary Instrument (1)
Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Variable credit.
Distribution: NLA.

PFMJ 10500 - Organ I - Music Majors (1 to 4)
Technical studies and selected pieces from Gleason, "Method of Playing Organ"; easier Bach works; works of appropriate difficulty from all periods. Hymn playing. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 10501 - Organ I - Music Minors (1)
Technical studies and selected pieces from Gleason, "Method of Playing Organ"; easier Bach works; works of appropriate difficulty from all periods. Hymn playing.
Distribution: NLA.

PFMJ 10502 - Organ I - Secondary Instrument (1)
Technical studies and selected pieces from Gleason, "Method of Playing Organ"; easier Bach works; works of appropriate difficulty from all periods. Hymn playing.
Distribution: NLA.

PFMJ 10700 - Harpsichord I - Music Majors (1 to 4)
Technical studies may include trill exercises, finger independence exercises, scales, and excerpts from various method books. Repertoire initially emphasizes 18th-century literature (e.g., simpler works of Bach, D. Scarlatti, and Rameau). Further study includes earlier keyboard literature and the concomitant techniques (fingering, ornamentation, etc.). Repertoire classes often include discussions of the various schools of harpsichord construction and the corresponding literature, as well as different aspects of performance practice. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 10701 - Harpsichord I - Music Minors (1 to 3)
Technical studies may include trill exercises, finger independence exercises, scales, and excerpts from various method books. Repertoire initially emphasizes 18th-century literature (e.g., simpler works of Bach, D. Scarlatti, and Rameau). Further study includes earlier keyboard literature and the concomitant techniques (fingering, ornamentation, etc.). Repertoire classes often include discussions of the various schools of harpsichord construction and the corresponding literature, as well as different aspects of performance practice.
Distribution: NLA.
method books. Repertoire initially emphasizes 18th-century literature (e.g., simpler works of Bach, D. Scarlatti, and Rameau). Further study includes earlier keyboard literature and the concomitant techniques (fingering, ornamentation, etc.). Repertoire classes often include discussions of the various schools of harpsichord construction and the corresponding literature, as well as different aspects of performance practice.

Distribution: NLA.

PFMJ 10900 - Violin I - Music Majors (1 to 4)

Technical work on shifting and higher position playing, as well as bow technique covering détaché, martelé, staccato, and spiccatto bow strokes. Representative études including Schradieck, Sevcik, Mazas, Whistler, and Kreutzer.

Representative repertoire including concerti by Bach, Charles de Beriot, Pierre Rode, Ludwig Spohr, and Giovanni Viotti; solo sonatas and partitas by Bach; and sonatas by Handel, Corelli, Schubert, and Vivaldi. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 10901 - Violin I - Minors (1)

Technical work on shifting and higher position playing, as well as bow technique covering détaché, martelé, staccato, and spiccatto bow strokes. Representative études including Schradieck, Sevcik, Mazas, Whistler, and Kreutzer.

Representative repertoire including concerti by Bach, Charles de Beriot, Pierre Rode, Ludwig Spohr, and Giovanni Viotti; solo sonatas and partitas by Bach; and sonatas by Handel, Corelli, Schubert, and Vivaldi.

Distribution: NLA.

PFMJ 10902 - Violin I - Secondary Instrument (1)

Technical work on shifting and higher position playing, as well as bow technique covering détaché, martelé, staccato, and spiccatto bow strokes. Representative études including Schradieck, Sevcik, Mazas, Whistler, and Kreutzer.

Representative repertoire including concerti by Bach, Charles de Beriot, Pierre Rode, Ludwig Spohr, and Giovanni Viotti; solo sonatas and partitas by Bach; and sonatas by Handel, Corelli, Schubert, and Vivaldi.

Distribution: NLA.

PFMJ 11100 - Viola I - Music Majors (1 to 4)

Basic technical work: posture, stretching, and strengthening exercises; principles of movement; Sevcik, op. 1, pt. 1, for left-hand fluency and efficiency; principles of string crossing; Sevcik, op. 2, pt. 3, for understanding right-hand and arm actions; tonal development; Sevcik, op. 8, shifting exercises; vibrato exercises. Flesch, "Scale System": three-octave scales, arpeggios, broken thirds, chromatics, and whole tone. Viola ensemble. Repertoire from Flackton and Marcello sonatas; Jacob, Sonatina; Bach, Suites; Telemann, concerto and fantasias; movements from Vaughan Williams suite. Mazas, Kayser, and Bruni studies. Repertoire classes throughout four years include discussions on performance practice; films such as Rolland, Galamian, and Primrose; teaching practice; musical awareness. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 11101 - Viola I - Music Minors (1)

Basic technical work: posture, stretching, and strengthening exercises; principles of movement; Sevcik, op. 1, pt. 1, for left-hand fluency and efficiency; principles of string crossing; Sevcik, op. 2, pt. 3, for understanding right-hand and arm actions; tonal development; Sevcik, op. 8, shifting exercises; vibrato exercises. Flesch, "Scale System": three-octave scales, arpeggios, broken thirds, chromatics, and whole tone. Viola ensemble. Repertoire from Flackton and Marcello sonatas; Jacob, Sonatina; Bach, Suites; Telemann, concerto and fantasias; movements from Vaughan Williams suite. Mazas, Kayser, and Bruni studies. Repertoire classes throughout four years include discussions on performance practice; films such as Rolland, Galamian, and Primrose; teaching practice; musical awareness.

Distribution: NLA.

PFMJ 11102 - Viola I - Secondary Instrument (1)

Basic technical work: posture, stretching, and strengthening exercises; principles of movement; Sevcik, op. 1, pt. 1, for left-hand fluency and efficiency; principles of string crossing; Sevcik, op. 2, pt. 3, for understanding right-hand and arm actions; tonal development; Sevcik, op. 8, shifting exercises; vibrato exercises. Flesch, "Scale System": three-octave scales, arpeggios, broken thirds, chromatics, and whole tone. Viola ensemble. Repertoire from Flackton and Marcello sonatas; Jacob, Sonatina; Bach, Suites; Telemann, concerto and fantasias; movements from Vaughan Williams suite. Mazas, Kayser, and Bruni studies. Repertoire classes throughout four years include discussions on performance practice; films such as Rolland, Galamian, and Primrose; teaching practice; musical awareness.

Distribution: NLA.

PFMJ 11300 - Cello I - Music Majors (1 to 4)

Technique including seating position and holding instrument, bowing, use of left hand, scales, arpeggios,
broken thirds through tenths, position-setting double stops, (i.e., Rowell position exercise, thumb position, and shifting development). Emphasis is placed on introduction of bowing types and techniques and the art of good practicing. Representative études including Lee, op. 31; Duport, "Twenty-One Études"; Grutzmacher, book I; Franchomme, "12 Caprices"; Cossmann, "Studies". Representative repertoire including sonatas of Vivaldi, Marcello, Corelli, and Eccles; Bach, Suites I-3; pieces such as Fauré's Elegy, Van Goens's Scherzo; concerti of Saint-Saëns, Boccherini (B-flat), and Haydn (C major). Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 11301 - Cello I - Music Minors (1)

Technique including seating position and holding instrument, bowing, use of left hand, scales, arpeggios, broken thirds through tenths, position-setting double stops, (i.e., Rowell position exercise, thumb position, and shifting development). Emphasis is placed on introduction of bowing types and techniques and the art of good practicing. Representative études including Lee, op. 31; Duport, "Twenty-One Études"; Grutzmacher, book I; Franchomme, "12 Caprices"; Cossmann, "Studies". Representative repertoire including sonatas of Vivaldi, Marcello, Corelli, and Eccles; Bach, Suites I-3; pieces such as Fauré's Elegy, Van Goens's Scherzo; concerti of Saint-Saëns, Boccherini (B-flat), and Haydn (C major).

Distribution: NLA.

PFMJ 11302 - Cello I - Secondary Instrument (1 to 3)

Technique including seating position and holding instrument, bowing, use of left hand, scales, arpeggios, broken thirds through tenths, position-setting double stops, (i.e., Rowell position exercise, thumb position, and shifting development). Emphasis is placed on introduction of bowing types and techniques and the art of good practicing. Representative études including Lee, op. 31; Duport, "Twenty-One Études"; Grutzmacher, book I; Franchomme, "12 Caprices"; Cossmann, "Studies". Representative repertoire including sonatas of Vivaldi, Marcello, Corelli, and Eccles; Bach, Suites I-3; pieces such as Fauré's Elegy, Van Goens's Scherzo; concerti of Saint-Saëns, Boccherini (B-flat), and Haydn (C major).

Distribution: NLA.

PFMJ 11500 - Double Bass I - Majors (1 to 4)


Distribution: NLA.

PFMJ 11501 - Double Bass I - Music Minors (1)


Distribution: NLA.

PFMJ 11502 - Double Bass I - Secondary Instrument (1)


Distribution: NLA.

PFMJ 11700 - Classical Guitar I - Majors (1 to 4)

Technique: Scales (Segovia), scale playing in rhythmic patterns, arpeggios, slurs, trills, etc., studies by Milan, Besard, Sor, Aguado, Tarrega, Villa-Lobos, Barrios, etc. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 11701 - Classical Guitar I-Minors (1)

Technique: Scales (Segovia), scale playing in rhythmic patterns, arpeggios, slurs, trills, etc., studies by Milan, Besard, Sor, Aguado, Tarrega, Villa-Lobos, Barrios, etc.

Distribution: NLA.

PFMJ 11900 - Jazz Guitar I - Music Majors (1 to 4)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 11901 - Jazz Guitar I - Music Minors (1 to 3)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 11902 - Jazz Guitar I - Secondary Instrument (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar,
composing, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 12100 - Flute I - Music Majors (1 to 4)
Emphasis placed on tone production, breath control and support, embouchure flexibility, and articulation and technique. Weekly repertoire classes. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 12101 - Flute I - Music Minors (1)
Emphasis placed on tone production, breath control and support, embouchure flexibility, and articulation and technique. Weekly repertoire classes.

Distribution: NLA.

PFMJ 12102 - Flute I - Secondary Instrument (1)
Emphasis placed on tone production, breath control and support, embouchure flexibility, and articulation and technique. Weekly repertoire classes.

Distribution: NLA.

PFMJ 12300 - Oboe I - Music Majors (1 to 4)
The basic elements of technique (fingers, embouchure and tonguing, blowing) are related to artistic concept through long tones, scales in all note values, and the "Forty Progressive Melodies" from Barret's "Oboe Method." Representative repertoire is selected from the Albinoni and Handel concerti, Nielsen, "Phantasy Pieces, " op. 2, and the Geiser Sonatine. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 12301 - Oboe I - Music Minors (1)
The basic elements of technique (fingers, embouchure and tonguing, blowing) are related to artistic concept through long tones, scales in all note values, and the "Forty Progressive Melodies" from Barret's "Oboe Method." Representative repertoire is selected from the Albinoni and Handel concerti, Nielsen, "Phantasy Pieces, " op. 2, and the Geiser Sonatine.

Distribution: NLA.

PFMJ 12302 - Oboe I - Secondary Instrument (1)
The basic elements of technique (fingers, embouchure and tonguing, blowing) are related to artistic concept through long tones, scales in all note values, and the "Forty Progressive Melodies" from Barret's "Oboe Method." Representative repertoire is selected from the Albinoni and Handel concerti, Nielsen, "Phantasy Pieces, " op. 2, and the Geiser Sonatine.

Distribution: NLA.

PFMJ 12500 - Clarinet I - Music Majors (1 to 4)

Distribution: NLA.

PFMJ 12501 - Clarinet I - Music Minors (1)

Distribution: NLA.

PFMJ 12502 - Clarinet I - Secondary Instrument (1)

Distribution: NLA.

PFMJ 12700 - Bassoon I - Music Majors (1 to 4)


Distribution: NLA.

PFMJ 12701 - Bassoon I - Music Minors (1)


Distribution: NLA.

PFMJ 12702 - Bassoon I - Secondary Instrument (1)


Distribution: NLA.

PFMJ 12900 - Saxophone I - Music Majors (1 to 4)


Distribution: NLA.

PFMJ 12901 - Saxophone I - Music Minors (1)

Technique from L. Teal, "Saxophonist's Workbook"; tone studies, vibrato studies, articulation studies, alternate fingering studies, major/minor scales, major/minor thirds, low and high register studies. S. Rascher, "Top Tones"; R. Lang, "Beginning Studies in the Altissimo Register"; J. M. Londeix, "On the Exactness of Intonation." Representative études including J. L. Small, "Rhythmic and Technical Studies"; H. Voxman, "Selected Studies"; Ferling, "48 Études." Representative repertoire including Teal, "Solos for the Alto and Tenor Saxophone Player"; H. Eccles, Sonata; Mule, "Classics for the Saxophon"e; E. Bozza, Aria; P. Lantier, "Sicilienne"; B. Heiden, Sonata; P. Hindemith, Sonata; W. Schmidt, Sonatina; and various chamber works.

Distribution: NLA.

PFMJ 12902 - Saxophone I - Secondary Instrument (1)

Technique from L. Teal, "Saxophonist's Workbook"; tone studies, vibrato studies, articulation studies, alternate fingering studies, major/minor scales, major/minor thirds, low and high register studies. S. Rascher, "Top Tones"; R. Lang, "Beginning Studies in the Altissimo Register"; J. M. Londeix, "On the Exactness of Intonation." Representative études including J. L. Small, "Rhythmic and Technical Studies"; H. Voxman, "Selected Studies"; Ferling, "48 Études." Representative repertoire including Teal, "Solos for the Alto and Tenor Saxophone Player"; H. Eccles, Sonata; Mule, "Classics for the Saxophon"e; E. Bozza, Aria; P. Lantier, "Sicilienne"; B. Heiden, Sonata; P. Hindemith, Sonata; W. Schmidt, Sonatina; and various chamber works.

Distribution: NLA.

PFMJ 13100 - French Horn I - Music Majors (1 to 4)

Technique to include lip slurs; middle register and all major scales, two octaves in various articulations. Transposition to E-flat, C, and D horn. Representative études including Kopprasch, book I; Pottag, "Preparatory Melodies to Solo Playing"; Maxime-Alphonse, books II and III; Weber, "13 Études"; Schuller, "Studies for Unaccompanied Horn"; and Schantl, "Studies on Scales and Intervals." Representative solo repertoire including Glazunov, "Reveries"; Lefebvre, "Romance"; Mozart, Concerti no. 2 and 3; and Beethoven, Sonata. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 13101 - French Horn I - Music Minors (1)
PFMJ 13502 - Trumpet I - Secondary Instrument (1)
Concentration on the development of the characteristic tone and essential technique demanded in trumpet performance. Manuscript warm-up routines, lip slurs, and finger patterns. All major and three forms of minor scales in 16th notes at mm 108, with emphasis placed on legato style. Review of Arban's "Complete Method."

PFMJ 13300 - Trumpet I - Music Majors (1 to 4)
Concentration on the development of the characteristic tone and essential technique demanded in trumpet performance. Manuscript warm-up routines, lip slurs, and finger patterns. All major and three forms of minor scales in 16th notes at mm 108, with emphasis placed on legato style. Review of Arban's "Complete Method."

PFMJ 13301 - Trumpet I - Music Minors (1)
Concentration on the development of the characteristic tone and essential technique demanded in trumpet performance. Manuscript warm-up routines, lip slurs, and finger patterns. All major and three forms of minor scales in 16th notes at mm 108, with emphasis placed on legato style. Review of Arban's "Complete Method."

PFMJ 13302 - Trumpet I - Secondary Instrument (1)
Concentration on the development of the characteristic tone and essential technique demanded in trumpet performance. Manuscript warm-up routines, lip slurs, and finger patterns. All major and three forms of minor scales in 16th notes at mm 108, with emphasis placed on legato style. Review of Arban's "Complete Method."

Distribution: NLA.

PFMJ 13402 - French Horn I - Secondary Instrument (1)
Technique to include lip slurs; middle register and all major scales, two octaves in various articulations. Transposition to E-flat, C, and D horn. Representative études including Kopprasch, book I; Pottag, "Preparatory Melodies to Solo Playing"; Maxime-Alphonse, books II and III; Weber, "13 Études"; Schuller, "Studies for Unaccompanied Horn"; and Schantl, "Studies on Scales and Intervals." Representative solo repertoire including Glazunov, "Reveries"; Lefebvre, "Romance"; Mozart, Concerti no. 2 and 3; and Beethoven, Sonata.

Distribution: NLA.

Distribution: NLA.

PFMJ 13400 - Tenor Trombone I - Music Majors (1 to 4)
Concentration on sound development, using manuscript warm-up routines. Also included are special exercises designed for range development and awareness of intonation problems. Representative études for technique include Smith, "Slide Exercises"; Rochut, "Melodious Études"; and Blazevich, "Clef Studies." Representative repertoire includes Galliard, Guilmant, Wea, Jones, Presser, David, and Pryor. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 13401 - Tenor Trombone I - Music Minors (1)
Concentration on sound development, using manuscript warm-up routines. Also included are special exercises designed for range development and awareness of intonation problems. Representative études for technique include Smith, "Slide Exercises"; Rochut, "Melodious Études"; and Blazevich, "Clef Studies." Representative repertoire includes Galliard, Guilmant, Wea, Jones, Presser, David, and Pryor.

Distribution: NLA.

PFMJ 13402 - Tenor Trombone I - Secondary Instrument (1)
Concentration on sound development, using manuscript warm-up routines. Also included are special exercises designed for range development and awareness of intonation problems. Representative études for technique include Smith, "Slide Exercises"; Rochut, "Melodious Études"; and Blazevich, "Clef Studies." Representative repertoire includes Galliard, Guilmant, Wea, Jones, Presser, David, and Pryor.

Distribution: NLA.

PFMJ 13403 - Bass Trombone I - Music Majors (1 to 4)
Concentration on sound development, using manuscript warm-up routines. Also included are special exercises designed for range development and awareness of intonation problems. Representative études for technique include Smith, "Slide Exercises"; Fink, "Studies in Legato"; and Grigoriev, "24 Studies." Repertoire includes
Galliard, Semler-Collery, Stevens, and Jacob. Co-requisite: PFMJ 19900.

**PFMJ 13701 - Bass Trombone I - Music Minors (1)**

Concentration on sound development, using manuscript warm-up routines. Also included are special exercises designed for range development and awareness of intonation problems. Representative études for technique include Smith, "Slide Exercises"; Fink, "Studies in Legato"; and Grigoriev, "24 Studies." Repertoire includes Galliard, Semler-Collery, Stevens, and Jacob.

Distribution: NLA.

**PFMJ 13702 - Bass Trombone I - Secondary Instrument (1)**

Concentration on sound development, using manuscript warm-up routines. Also included are special exercises designed for range development and awareness of intonation problems. Representative études for technique include Smith, "Slide Exercises"; Fink, "Studies in Legato"; and Grigoriev, "24 Studies." Repertoire includes Galliard, Semler-Collery, Stevens, and Jacob.

Distribution: NLA.

**PFMJ 13900 - Euphonium I - Music Majors (1 to 4)**


Distribution: NLA.

**PFMJ 13901 - Euphonium I - Music Minors (1)**


Distribution: NLA.

**PFMJ 13902 - Euphonium I - Secondary Instrument (1)**


Distribution: NLA.

**PFMJ 14100 - Tuba I - Music Majors (1 to 4)**

Technique based on W. Bell, "Tuba Warmups" (part 1); Pares, "Scale Studies"; Lowell Little, "Embouchure Builder"; Arban, "Method for Trombone" (interval and chord studies). Representative études including Arban, "Method for Trombone" (rhythm studies); Getchell, "Second Book of Practical Studies for Tuba"; Cimera, "73 Advanced Tuba Studies"; Kopprasch, "60 Selected Studies" (trombone, book 1); Rochut, "Melodious Études" (trombone, book 1); Tyrell, "Advanced Studies for the BB-flat Tuba." Representative repertoire including "Concert Album for Tuba" (edited by Ostrander); Walters, "Terantelle"; Sowerby, "Chaconne"; Beaucamp, "Cortège"; Cohen, Romance and Scherzo; Buchtel, Introduction and Rondo; plus selected band and orchestral excerpts. Co-requisite: PFMJ 19900.

Distribution: NLA.

**PFMJ 14101 - Tuba I - Music Minors (1)**

Technique based on W. Bell, "Tuba Warmups" (part 1); Pares, "Scale Studies"; Lowell Little, "Embouchure Builder"; Arban, "Method for Trombone" (interval and chord studies). Representative études including Arban, "Method for Trombone" (rhythm studies); Getchell, "Second Book of Practical Studies for Tuba"; Cimera, "73 Advanced Tuba Studies"; Kopprasch, "60 Selected Studies" (trombone, book 1); Rochut, "Melodious Études" (trombone, book 1); Tyrell, "Advanced Studies for the BB-flat Tuba." Representative repertoire including "Concert Album for Tuba" (edited by Ostrander); Walters, "Terantelle"; Sowerby, "Chaconne"; Beaucamp, "Cortège"; Cohen, Romance and Scherzo; Buchtel, Introduction and Rondo; plus selected band and orchestral excerpts. Co-requisite: PFMJ 19900.

Distribution: NLA.
PFMJ 14102 - Tuba I - Secondary Instrument (1)

Technique based on W. Bell, "Tuba Warmups" (part 1); Pares, "Scale Studies"; Lowell Little, "Embouchure Builder"; Arban, "Method for Trombone" (interval and chord studies). Representative études including Arban, "Method for Trombone" (rhythm studies); Getchell, "Second Book of Practical Studies for Tuba"; Cimera, "73 Advanced Tuba Studies"; Kopprasch, "60 Selected Studies" (trombone, book 1); Rochut, "Melodious Études" (trombone, book 1); Tyrell, "Advanced Studies for the BB-flat Tuba." Representative repertoire including "Concert Album for Tuba" (edited by Ostrander); Walters, "Terantelle"; Sowerby, "Chaconne"; Beaucamp, "Cortege"; Cohen, Romance and Scherzo; Buchtel, Introduction and Rondo; plus selected band and orchestral excerpts.

Distribution: NLA.

PFMJ 14300 - Percussion I - Music Majors (1 to 4)

The order and amount of study vary from student to student, depending on strengths and deficiencies upon matriculation. Variations also occur when a student, in consultation with the major teacher, decides to concentrate in one or more particular areas. An examination is conducted by the instructor at the end of each semester. This examination includes performance and sight-reading. Specific requirements are provided by the instructor. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 14301 - Percussion I - Music Minors (1)

The order and amount of study vary from student to student, depending on strengths and deficiencies upon matriculation. Variations also occur when a student, in consultation with the major teacher, decides to concentrate in one or more particular areas. An examination is conducted by the instructor at the end of each semester. This examination includes performance and sight-reading. Specific requirements are provided by the instructor.

Distribution: NLA.

PFMJ 14302 - Percussion I - Secondary Instrument (1)

The order and amount of study vary from student to student, depending on strengths and deficiencies upon matriculation. Variations also occur when a student, in consultation with the major teacher, decides to concentrate in one or more particular areas. An examination is conducted by the instructor at the end of each semester. This examination includes performance and sight-reading. Specific requirements are provided by the instructor.

Distribution: NLA.

PFMJ 16300 - Electric Bass I - Music Majors (1 to 4)

Basic chord progressions and harmonic motion; nomenclature, arpeggios (triadic and seventh chords); standard cadential formulas; holding position; types of right-hand strokes ("rest stroke" and "free stroke"); major scales in 12 keys; modes of the major scale; bass-line building and construction; fast-moving chord changes; longer-value chord progressions; two-beat and "walking" four-beat styles; rhythm changes; tune repertoire, both melodically and in terms of bass line. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 16301 - Electric Bass I - Music Minors (1 to 3)

Basic chord progressions and harmonic motion; nomenclature, arpeggios (triadic and seventh chords); standard cadential formulas; basic technique; holding position; types of right-hand strokes ("rest stroke" and "free stroke"); major scales in 12 keys; modes of the major scale; bass-line building and construction; fast-moving chord changes; longer-value chord progressions; two-beat and "walking" four-beat styles; rhythm changes; tune repertoire, both melodically and in terms of bass line.

Distribution: NLA.

PFMJ 16302 - Electric Bass I - Secondary Instrument (1)

Basic chord progressions and harmonic motion; nomenclature, arpeggios (triadic and seventh chords); standard cadential formulas; basic technique; holding position; types of right-hand strokes ("rest stroke" and "free stroke"); major scales in 12 keys; modes of the major scale; bass-line building and construction; fast-moving chord changes; longer-value chord progressions; two-beat and "walking" four-beat styles; rhythm changes; tune repertoire, both melodically and in terms of bass line.

Distribution: NLA.

PFMJ 19900 - Performance Repertoire and Pedagogy (0.5)

Students meet weekly as a group with their performance study teacher to perform repertoire and discuss performance technique and pedagogy. Pass/fail only. 0.5 credit. (F-S)

Distribution: NLA.

PFMJ 20100 - Voice II - Music Majors (1 to 4)

The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce." Co-requisite: PFMJ 19900.

Distribution: NLA.
The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce."

PFMJ 20102 - Voice II - Secondary Instrument (1)
The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce."

Distribution: NLA.

PFMJ 20300 - Piano II - Music Majors (1 to 4)
Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Variable Credit. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 20301 - Piano II - Music Minors (1)
Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Variable credit.

Distribution: NLA.

PFMJ 20302 - Piano II - Secondary Instrument (1)
Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Variable credit.

Distribution: NLA.

PFMJ 20500 - Organ II - Music Majors (1 to 4)
Continuation of technical studies. Bach, "Trio Sonatas" and intermediate preludes and fugues such as BWV 537. Works of Buxtehude and early French composers, with attention to historical performance practice. Easier 19th-century works, such as Franck, "Cantabile." Basic church music skills; accompanying and conducting from the keyboard. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 20501 - Organ II - Music Minors (1)
Continuation of technical studies. Bach, "Trio Sonatas" and intermediate preludes and fugues such as BWV 537. Works of Buxtehude and early French composers, with attention to historical performance practice. Easier 19th-century works, such as Franck, "Cantabile." Basic church music skills; accompanying and conducting from the keyboard.

Distribution: NLA.

PFMJ 20700 - Harpsichord II - Music Majors (1 to 4)
Technical studies may include trill exercises, finger independence exercises, scales, and excerpts from various method books. Repertoire initially emphasizes 18th-century literature (e.g., simpler works of Bach, D. Scarlatti, and Rameau). Further study includes earlier keyboard literature and the concomitant techniques (fingering, ornamentation, etc.). Repertoire classes often include discussions of the various schools of harpsichord construction and the corresponding literature, as well as different aspects of performance practice. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 20701 - Harpsichord II - Music Minors (1)
Technical studies may include trill exercises, finger independence exercises, scales, and excerpts from various method books. Repertoire initially emphasizes 18th-century literature (e.g., simpler works of Bach, D. Scarlatti, and Rameau). Further study includes earlier keyboard literature and the concomitant techniques (fingering, ornamentation, etc.). Repertoire classes often include discussions of the various schools of harpsichord construction and the corresponding literature, as well as different aspects of performance practice.
construction and the corresponding literature, as well as different aspects of performance practice.

Distribution: NLA.

PFMJ 20900 - Violin II - Music Majors (1 to 4)
Technique based on Carl Flesch's "Scale System" and Ivan Galamian's "Contemporary Violin Technique." Continuation of all first-year technique, with the addition of accelerated pattern for scales, all three-octave whole tone scales, double stops, and all one-string systems. Continuation of bowing and shifting technique, with emphasis placed on vibrato development. Representative études including Sevcik, Dont, Fiorillo, and Kreutzer. Representative repertoire including concerti by Mozart, Bruch, Lalo, Haydn, and Kabalevsky; solo sonatas and partitas by Bach; sonatas by Mozart, Dvorak, Beethoven, Schumann, and Leclair; and pieces by Kreisler, Bartók, and Beethoven. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 20901 - Violin II - Music Minors (1)
Technique based on Carl Flesch's "Scale System" and Ivan Galamian’s "Contemporary Violin Technique." Continuation of all first-year technique, with the addition of accelerated pattern for scales, all three-octave whole tone scales, double stops, and all one-string systems. Continuation of bowing and shifting technique, with emphasis placed on vibrato development. Representative études including Sevcik, Dont, Fiorillo, and Kreutzer. Representative repertoire including concerti by Mozart, Bruch, Lalo, Haydn, and Kabalevsky; solo sonatas and partitas by Bach; sonatas by Mozart, Dvorak, Beethoven, Schumann, and Leclair; and pieces by Kreisler, Bartók, and Beethoven.

Distribution: NLA.

PFMJ 20902 - Violin II - Secondary Instrument (1)
Technique based on Carl Flesch's "Scale System" and Ivan Galamian's "Contemporary Violin Technique." Continuation of all first-year technique, with the addition of accelerated pattern for scales, all three-octave whole tone scales, double stops, and all one-string systems. Continuation of bowing and shifting technique, with emphasis placed on vibrato development. Representative études including Sevcik, Dont, Fiorillo, and Kreutzer. Representative repertoire including concerti by Mozart, Bruch, Lalo, Haydn, and Kabalevsky; solo sonatas and partitas by Bach; sonatas by Mozart, Dvorak, Beethoven, Schumann, and Leclair; and pieces by Kreisler, Bartók, and Beethoven.

Distribution: NLA.

PFMJ 20903 - Viola II - Music Majors (1 to 4)

Distribution: NLA.

PFMJ 21101 - Viola II - Music Minors (1)

Distribution: NLA.

PFMJ 21102 - Viola II - Secondary Instrument (1)

Distribution: NLA.

PFMJ 21300 - Cello II - Music Majors (1 to 4)
Continued study of scales (four octaves), solid thirds, sixths, octaves. Bowing methods and types; principles of modern shifting; and practice habits. Representative études, such as Duport, "Twenty-One Études," through Franchomme, "Caprices"; Feuillard, "Daily Exercises"; Popper, "High School of Cello Playing." Representative repertoire including Bach, Suites; Beethoven and Brahms sonatas; concerti of Elgar, C. P. E. Bach, and Kabalevsky; 20th-century pieces. Performance of solo and cello ensemble repertoire. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 21301 - Cello II - Music Minors (1)
Continued study of scales (four octaves), solid thirds, sixths, octaves. Bowing methods and types; principles of modern shifting; and practice habits. Representative études, such as Duport, "Twenty-One Études," through Franchomme, "Caprices"; Feuillard, "Daily Exercises"; Popper, "High School of Cello Playing." Representative repertoire including Bach, Suites; Beethoven and Brahms
PFMJ 20100 - Flute I - Music Minors (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20101 - Flute I - Music Majors (1 to 4)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20102 - Flute II - Secondary Instrument (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20103 - Flute II - Music Minors (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20104 - Flute II - Music Majors (1 to 4)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20105 - Flute III - Secondary Instrument (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20106 - Flute III - Music Minors (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20107 - Flute III - Music Majors (1 to 4)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20108 - Flute IV - Secondary Instrument (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20109 - Flute IV - Music Minors (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 20110 - Flute IV - Music Majors (1 to 4)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.
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selections from flute music by French composers. Co-

requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 22101 - Flute II - Music Minors (1)

Taffanel-Gaubert, "17 Daily Exercises"; Marcel Moyse, "De la Sonorité"; Trevor Wye, "Practice Book no. 1 -- Tone." Harmonics, vibrato, and tone color. Representative études including Andersen, "18 Studies," op. 41; Andersen, "24 Exercises," op. 33; and Berbiguier, "18 Exercises." Representative repertoire including Debussy, Syrinx; Handel sonatas; Bach sonatas; Bloch, "Suite Modale"; selections from flute music by French composers.

Distribution: NLA.

PFMJ 22102 - Flute II - Secondary Instrument (1)

Taffanel-Gaubert, "17 Daily Exercises"; Marcel Moyse, "De la Sonorité"; Trevor Wye, "Practice Book no. 1 -- Tone." Harmonics, vibrato, and tone color. Representative études including Andersen, "18 Studies," op. 41; Andersen, "24 Exercises," op. 33; and Berbiguier, "18 Exercises." Representative repertoire including Debussy, Syrinx; Handel sonatas; Bach sonatas; Bloch, "Suite Modale"; selections from flute music by French composers.

Distribution: NLA.

PFMJ 22300 - Oboe II - Music Majors (1 to 4)

Technique continued, including long tones and scales as before. Études include articulation scale patterns (transposed), 12 articulation studies, and sonatas from Barret. Representative repertoire includes Handel and Telemann sonatas, the Comarosa-Benjamin Concerto, C. P. E. Bach concertos, and the "Piston Suite." Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 22301 - Oboe II - Music Minors (1)

Technique continued, including long tones and scales as before. Études include articulation scale patterns (transposed), 12 articulation studies, and sonatas from Barret. Representative repertoire includes Handel and Telemann sonatas, the Comarosa-Benjamin Concerto, C. P. E. Bach concertos, and the "Piston Suite."

Distribution: NLA.

PFMJ 22302 - Oboe II - Secondary Instrument (1)

Technique continued, including long tones and scales as before. Études include articulation scale patterns (transposed), 12 articulation studies, and sonatas from Barret. Representative repertoire includes Handel and Telemann sonatas, the Comarosa-Benjamin Concerto, C. P. E. Bach concertos, and the "Piston Suite."

Distribution: NLA.

PFMJ 22500 - Clarinet II - Music Majors (1 to 4)

Technique continued, including long tones and scales as before. Études include articulation scale patterns (transposed), 12 articulation studies, and sonatas from Barret. Representative repertoire includes Handel and Telemann sonatas, the Comarosa-Benjamin Concerto, C. P. E. Bach concertos, and the "Piston Suite."

Distribution: NLA.

PFMJ 22700 - Bassoon II - Music Majors (1 to 4)

All major and minor scales (80 mm). All scales in thirds. Chord study. Articulations (slur two-tongue; tongue one--slur two-tongue two; slur three-tongue one, etc.). Chord cycle of I-IV-V((7))-I. Representative études including Kopprasch, books I and II; Oubradous, "Methods I"; Piard, "Methods I." Representative repertoire including Ferdinand David, "Concertino," op. 12; Galliard, "Six Sonatas for Bassoon and Piano"; Milde, Andante and Rondo; Pierne, "Concert Piece"; Burrill Phillips, "Concert Piece"; Vivaldi,
concerti in A minor and B minor, Sonata in A Minor. Co-
requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 22701 - Bassoon II - Music Minors (1)

All major and minor scales (80 mm). All scales in thirds.
Chord study. Articulations (slur-two-tone; tongue one-
slur two-tone two; slur three-tone one, etc.). Chord
cycle of I-IV-V-(7)-I. Representative études including
Koppesch, books I and II; Oubradous, "Methods I"; Piard,
"Methods I." Representative repertoire including Ferdinand
David, "Concertino," op. 12; Galliard, "Six Sonatas for
Bassoon and Piano"; Milde, Andante and Rondo; Ferry,
"Concert Piece"; Burrill Phillips, "Concert Piece"; Vivaldi,
concerti in A minor and B minor, Sonata in A Minor.

Distribution: NLA.

PFMJ 22702 - Bassoon II - Secondary Instrument (1)

All major and minor scales (80 mm). All scales in thirds.
Chord study. Articulations (slur-two-tone; tongue one-
slur two-tone two; slur three-tone one, etc.). Chord
cycle of I-IV-V-(7)-I. Representative études including
Koppesch, books I and II; Oubradous, "Methods I"; Piard,
"Methods I." Representative repertoire including Ferdinand
David, "Concertino," op. 12; Galliard, "Six Sonatas for
Bassoon and Piano"; Milde, Andante and Rondo; Ferry,
"Concert Piece"; Burrill Phillips, "Concert Piece"; Vivaldi,
concerti in A minor and B minor, Sonata in A Minor.

Distribution: NLA.

PFMJ 22900 - Saxophone II - Music Majors (1 to 4)

Technique including L. Teal, "Saxophonist's Workbook";
S. Rascher and R. Lang, altissimo studies; J. M. Londeix,
intonation studies; Giamperi, "Daily Studies." Études
including C. Koechlin, "Études"; W. Schmidt,
"Contemporary Études"; and continued work in previous
methods. Representative repertoire including various
transcriptions; P. Creston, Sonata; L. Van Delden,
Sonatina; H. Villa-Lobos, "Fantasia"; W. Benson, "Aeolian
Song"; P. Maurice, "Tableaux de Provence"; A. Glazunov,
Concerto in E-flat; L. Lunde, Sonata; and various chamber
works.

Distribution: NLA.

PFMJ 22901 - Saxophone II - Music Minors (1)

Technique including L. Teal, "Saxophonist's Workbook";
S. Rascher and R. Lang, altissimo studies; J. M. Londeix,
intonation studies; Giamperi, "Daily Studies." Études
including C. Koechlin, "Études"; W. Schmidt,
"Contemporary Études"; and continued work in previous
methods. Representative repertoire including various
transcriptions; P. Creston, Sonata; L. Van Delden,
Sonatina; H. Villa-Lobos, "Fantasia"; W. Benson, "Aeolian
Song"; P. Maurice, "Tableaux de Provence"; A. Glazunov,
Concerto in E-flat; L. Lunde, Sonata; and various chamber
works.

Distribution: NLA.

PFMJ 22902 - Saxophone II - Secondary Instrument (1)

Technique including L. Teal, "Saxophonist's Workbook";
S. Rascher and R. Lang, altissimo studies; J. M. Londeix,
intonation studies; Giamperi, "Daily Studies." Études
including C. Koechlin, "Études"; W. Schmidt,
"Contemporary Études"; and continued work in previous
methods. Representative repertoire including various
transcriptions; P. Creston, Sonata; L. Van Delden,
Sonatina; H. Villa-Lobos, "Fantasia"; W. Benson, "Aeolian
Song"; P. Maurice, "Tableaux de Provence"; A. Glazunov,
Concerto in E-flat; L. Lunde, Sonata; and various chamber
works.

Distribution: NLA.

PFMJ 23100 - French Horn II - Music Majors (1 to 4)

Technique including lip slurs covering two octaves and all
major scales in broken thirds, fourths, and fifths.
Transposition to E-flat, C, D, G, E, and A horn. Stopped
horn technique. Representative études including Brahms,
"10 Études"; Chaynes, "15 Études"; Bozza,
"Improvisational Studies"; Bach, Cello Suites (bass clef);
and orchestral excerpts from the standard repertoire.
Representative solo repertoire including Mozart, Concerto
no. 4; Saint-Saëns, "Morceau de Concert"; Strauss,
Concerto no. 1; Heiden, Sonata; Adler, Sonata; and

Distribution: NLA.

PFMJ 23101 - French Horn II - Music Minors (1)

Technique including lip slurs covering two octaves and all
major scales in broken thirds, fourths, and fifths.
Transposition to E-flat, C, D, G, E, and A horn. Stopped
horn technique. Representative études including Brahms,
"10 Études"; Chaynes, "15 Études"; Bozza,
"Improvisational Studies"; Bach, Cello Suites (bass clef);
and orchestral excerpts from the standard repertoire.
Representative solo repertoire including Mozart, Concerto
no. 4; Saint-Saëns, "Morceau de Concert"; Strauss,
Concerto no. 1; Heiden, Sonata; Adler, Sonata; and
Goedicke, Concerto.

Distribution: NLA.

PFMJ 23102 - French Horn II - Secondary Instrument (1)

Technique including lip slurs covering two octaves and all
major scales in broken thirds, fourths, and fifths.
Transposition to E-flat, C, D, G, E, and A horn. Stopped
horn technique. Representative études including Brahms,
"10 Études"; Chaynes, "15 Études"; Bozza,
"Improvisational Studies"; Bach, Cello Suites (bass clef);
and orchestral excerpts from the standard repertoire.
Representative solo repertoire including Mozart, Concerto
no. 4; Saint-Saëns, "Morceau de Concert"; Strauss,
Concerto no. 1; Heiden, Sonata; Adler, Sonata; and
Goedicke, Concerto.
no. 4; Saint-Saëns, "Morceau de Concert"; Strauss, Concerto no. 1; Heiden, Sonata; Adler, Sonata; and Goedicke, Concerto.

Distribution: NLA.

PFMJ 23300 - Trumpet II - Music Majors (1 to 4)

Distribution: NLA.

PFMJ 23301 - Trumpet II - Music Minors (1)

Distribution: NLA.

PFMJ 23302 - Trumpet II - Secondary Instrument (1)
Tonal and technical development using Schlossberg, "Daily Drills"; and Clarke, "Technical Studies." All major and minor scales in diatonic patterns, double-tongued, and in thirds. Begin study of the C trumpet. Transposition from Caffarelli, "100 Studi Melodici"; contemporary rhythms from Gates, "Odd-Meter Études"; and Small, "27 Melodious and Rhythmetrical Studies"; other études from Balasanyan (Foveau), "20 Studies," and Gisondi, "Bach for the Trumpet." Orchestral studies from Vartold, vol. I and II, including memorization of standard solo passages. Solo repertoire including Barat, Andante et Scherzo; Gabaye, "Boutade"; Flor Peeters, Sonata; Purcell, Sonata; Gabrieli, Sonata V; and Stanley, Concerto.

Distribution: NLA.

PFMJ 23500 - Tenor Trombone II - Music Majors (1 to 4)
Continued concentration on sound development, plus expansion of range to instrument's full capabilities. Representative études for technique and reading skills include Smith, "Slide Exercises"; Rochut, "Melodious Études"; and Kahils, "Clef Studies." Solo repertoire includes Marcello, Bozza, Saint-Saëns, Dubois, Serocki, Davison, Jacob, Grondahl, Frackenpohl, and Larsson. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 23501 - Tenor Trombone II - Music Minors (1)
Continued concentration on sound development, plus expansion of range to instrument's full capabilities. Representative études for technique and reading skills include Smith, "Slide Exercises"; Rochut, "Melodious Études"; and Kahils, "Clef Studies." Solo repertoire includes Marcello, Bozza, Saint-Saëns, Dubois, Serocki, Davison, Jacob, Grondahl, Frackenpohl, and Larsson.

Distribution: NLA.

PFMJ 23502 - Tenor Trombone II - Secondary Instrument (1)
Continued concentration on sound development, plus expansion of range to instrument's full capabilities. Representative études for technique and reading skills include Smith, "Slide Exercises"; Rochut, "Melodious Études"; and Kahils, "Clef Studies." Solo repertoire includes Marcello, Bozza, Saint-Saëns, Dubois, Serocki, Davison, Jacob, Grondahl, Frackenpohl, and Larsson.

Distribution: NLA.

PFMJ 23700 - Bass Trombone II - Music Majors (1 to 4)
Continued concentration on sound development, plus expansion of range to instrument's full capabilities. Representative études for technique and reading skills include Smith, "Slide Exercises"; Fink, "Studies in Legato"; and Blume-Fink, "Studies for Trombone with F Attachment." Solo repertoire includes Telemann, Defay, Wilder, and Lebedev. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 23701 - Bass Trombone II - Music Minors (1)
Continued concentration on sound development, plus expansion of range to instrument's full capabilities. Representative études for technique and reading skills include Smith, "Slide Exercises"; Fink, "Studies in Legato"; and Blume-Fink, "Studies for Trombone with F Attachment." Solo repertoire includes Telemann, Defay, Wilder, and Lebedev.

Distribution: NLA.

PFMJ 23702 - Bass Trombone II - Secondary Instrument (1)
Continued concentration on sound development, plus expansion of range to instrument's full capabilities.
Representative études for technique and reading skills include Smith, "Slide Exercises"; Fink, "Studies in Legato"; and Blume-Fink, "Studies for Trombone with F Attachment." Solo repertoire includes Telemann, Defay, Wilder, and Lebedev.

Distribution: NLA.

PFMJ 23900 - Euphonium II - Music Majors (1 to 4)

Technique including Schlossberg, "Daily Drills and Technical Studies"; Arban, "Method for Trombone"; scale interval, chord, double- and triple-tonguing studies. All major and minor scales and arpeggios from memory (two octaves) and Clarke, "Technical Studies" (Series II). Representative études including Arban, "Method for Trombone," characteristic studies; Kopprasch, "60 Selected Studies" (book 1); Rochut, "Melodious Études" (trombone, book 1); and Tyrell, "40 Advanced Studies for Trombone." Representative repertoire including Weber-Hock, "Fantasi’a; David, Concertino; Bellstedt, "Mandolinata"; Vidal, Concertino; Busch, Recitative, Arioso, and Polonaise; Gottwald, "Fantasie Héroïque," op. 25; plus selected band excerpts. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 23901 - Euphonium II - Music Minors (1)

Technique including Schlossberg, "Daily Drills and Technical Studies"; Arban, "Method for Trombone"; scale interval, chord, double- and triple-tonguing studies. All major and minor scales and arpeggios from memory (two octaves) and Clarke, "Technical Studies" (Series II). Representative études including Arban, "Method for Trombone," characteristic studies; Kopprasch, "60 Selected Studies" (book 1); Rochut, "Melodious Études" (trombone, book 1); and Tyrell, "40 Advanced Studies for Trombone." Representative repertoire including Weber-Hock, "Fantasi’a; David, Concertino; Bellstedt, "Mandolinata"; Vidal, Concertino; Busch, Recitative, Arioso, and Polonaise; Gottwald, "Fantasie Héroïque," op. 25; plus selected band excerpts.

Distribution: NLA.

PFMJ 23902 - Euphonium II - Secondary Instrument (1)

Technique including Schlossberg, "Daily Drills and Technical Studies"; Arban, "Method for Trombone"; scale interval, chord, double- and triple-tonguing studies. All major and minor scales and arpeggios from memory (two octaves) and Clarke, "Technical Studies" (Series II). Representative études including Arban, "Method for Trombone," characteristic studies; Kopprasch, "60 Selected Studies" (book 1); Rochut, "Melodious Études" (trombone, book 1); and Tyrell, "40 Advanced Studies for Trombone." Representative repertoire including Weber-Hock, "Fantasi’a; David, Concertino; Bellstedt, "Mandolinata"; Vidal, Concertino; Busch, Recitative, Arioso, and Polonaise; Gottwald, "Fantasie Héroïque," op. 25; plus selected band excerpts.

Distribution: NLA.
PFMJ 24300 - Percussion II - Music Majors (1 to 4)
The order and amount of study vary from student to student, depending on strengths and deficiencies upon matriculation. Variations also occur when a student, in consultation with the major teacher, decides to concentrate in one or more particular areas. An examination is conducted by the instructor at the end of each semester. This examination includes performance and sight-reading. Specific requirements are provided by the instructor. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 24301 - Percussion II - Music Minors (1)
The order and amount of study vary from student to student, depending on strengths and deficiencies upon matriculation. Variations also occur when a student, in consultation with the major teacher, decides to concentrate in one or more particular areas. An examination is conducted by the instructor at the end of each semester. This examination includes performance and sight-reading. Specific requirements are provided by the instructor.
Distribution: NLA.

PFMJ 24302 - Percussion II - Secondary Instrument (1)
The order and amount of study vary from student to student, depending on strengths and deficiencies upon matriculation. Variations also occur when a student, in consultation with the major teacher, decides to concentrate in one or more particular areas. An examination is conducted by the instructor at the end of each semester. This examination includes performance and sight-reading. Specific requirements are provided by the instructor.
Distribution: NLA.

PFMJ 26300 - Electric Bass II - Music Majors (1 to 4)
More complex harmonic motion tune types; basic substitute chords and implied harmonies; continuation of technical devices; 9th chords; 11th chords; 13th chords; time feel; introduction of other styles, e.g., samba, mambo, 8th-note, 16th-note, "rock"; more tune repertoire; more line construction, transcribing; modal harmony. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 26301 - Electric Bass II - Music Minors (1)
More complex harmonic motion tune types; basic substitute chords and implied harmonies; continuation of technical devices; 9th chords; 11th chords; 13th chords; time feel; introduction of other styles, e.g., samba, mambo, 8th-note, 16th-note, "rock"; more tune repertoire; more line construction, transcribing; modal harmony.
Distribution: NLA.

PFMJ 26302 - Electric Bass II - Secondary Instrument (1)
More complex harmonic motion tune types; basic substitute chords and implied harmonies; continuation of technical devices; 9th chords; 11th chords; 13th chords; time feel; introduction of other styles, e.g., samba, mambo, 8th-note, 16th-note, "rock"; more tune repertoire; more line construction, transcribing; modal harmony.
Distribution: NLA.

PFMJ 30100 - Voice III - Music Majors (1 to 4)
The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce." Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 30102 - Voice III - Secondary Instrument (1)
The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce."
Distribution: NLA.

PFMJ 30300 - Piano III - Music Majors (1 to 4)
Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Variable Credit. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 30302 - Piano III - Secondary Instrument (1)
Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Variable credit.
Distribution: NLA.

PFMJ 30500 - Organ III - Music Majors (1 to 4)
PFMJ 30500 - Organ III - Secondary Instrument (1)
Bach, "Trio Sonatas," Schübler and Leipzig chorales, and the Weimar preludes and fugues; Franck, Prelude, Fugue, and Variation; Mendelssohn sonatas; Hindemith sonatas; works by Messiaen and other contemporary composers. Advanced church music skills: improvisation, modulation, hymn reharmonization.
Distribution: NLA.

PFMJ 30700 - Harpsichord III - Music Majors (1 to 4)
Technical studies may include trill exercises, finger independence exercises, scales, and excerpts from various method books. Repertoire initially emphasizes 18th-century literature (e.g., simpler works of Bach, D. Scarlatti, and Rameau). Further study includes earlier keyboard literature and the concomitant techniques (fingering, ornamentation, etc.). Repertoire classes often include discussions of the various schools of harpsichord construction and the corresponding literature, as well as different aspects of performance practice. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 30700 - Harpsichord III - Secondary Instrument (1)
Technical studies may include trill exercises, finger independence exercises, scales, and excerpts from various method books. Repertoire initially emphasizes 18th-century literature (e.g., simpler works of Bach, D. Scarlatti, and Rameau). Further study includes earlier keyboard literature and the concomitant techniques (fingering, ornamentation, etc.). Repertoire classes often include discussions of the various schools of harpsichord construction and the corresponding literature, as well as different aspects of performance practice. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 30900 - Violin III - Music Majors (1 to 4)
Continuation of all previous technical work with the addition of harmonic octaves, thirds, and sixths. Representative études including Dancla, Dont, and Ricci. Representative repertoire including concerti by Mendelssohn, Weniawski, Vieuxtemps, and Barber; solo sonatas and partitas by Bach; sonatas by Brahms, Ives, Tartini, Grieg, Fauré, and Beethoven; and pieces by Sarasate, Kreisler, Dvorák, and Vitali; and 20th-century works. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 30900 - Violin III - Secondary Instrument (1)
Continuation of all previous technical work with the addition of harmonic octaves, thirds, and sixths. Representative études including Dancla, Dont, and Ricci. Representative repertoire including concerti by Mendelssohn, Weniawski, Vieuxtemps, and Barber; solo sonatas and partitas by Bach; sonatas by Brahms, Ives, Tartini, Grieg, Fauré, and Beethoven; and pieces by Sarasate, Kreisler, Dvorák, and Vitali; and 20th-century works. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 31100 - Viola III - Music Majors (1 to 4)
Distribution: NLA.

PFMJ 31100 - Viola III - Secondary Instrument (1)
Distribution: NLA.

PFMJ 31300 - Cello III - Music Majors (1 to 4)
Continued study of scales, arpeggios, solid intervals as before, and fourths and fifths with various bowing. Representative études as before, and Kreutzer-Silva, "42 Études"; Piatti, "12 Caprices." Representative repertoire including Bach, Suites; sonatas of Brevval, Boccherini, Franquoir, Beethoven, Brahms, Barber, Debussy, Rachmaninoff; concerto of Schumann; Tchaikovsky, "Rococo Variations"; Bloch, "Schelomo." Performance of solo and cello ensemble repertoire. Co-requisite: PFMJ 19900.
Distribution: NLA.

PFMJ 31302 - Cello III - Secondary Instrument (1)
Continued study of scales, arpeggios, solid intervals as before, and fourths and fifths with various bowing. Representative études as before, and Kreutzer-Silva, "42 Études"; Piatti, "12 Caprices." Representative repertoire including Bach, Suites; sonatas of Brevval, Boccherini, Franquoir, Beethoven, Brahms, Barber, Debussy, Rachmaninoff; concerto of Schumann; Tchaikovsky,

Distribution: NLA.

PFMJ 31500 - Double Bass III - Music Majors (1 to 4)

Technique including all scales in two or three octaves with various rhythms and bowing patterns. Continued study of Simandl, "New Method for Double Bass," book 2; Bille, "New Method for Contrabass," part 2; Storch-Hrade, "57 Études." Solo repertoire chosen from concerto repertoire of Koussevitzky, Vanhal, Cimador, and others. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 31502 - Double Bass III - Secondary Instrument (1)

Technique including all scales in two or three octaves with various rhythms and bowing patterns. Continued study of Simandl, "New Method for Double Bass," book 2; Bille, "New Method for Contrabass," part 2; Storch-Hrade, "57 Études." Solo repertoire chosen from concerto repertoire of Koussevitzky, Vanhal, Cimador, and others.

Distribution: NLA.

PFMJ 31700 - Classical Guitar III - Music Majors (1 to 4)

Instruction in reading lute and baroque guitar tablatures; transcription of literature for keyboard, violin, cello, etc.; Renaissance and baroque ornamentation and performance practice; reading of figured bass and continuo playing. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 31702 - Classical Guitar III - Secondary Instrument (1)

Instruction in reading lute and baroque guitar tablatures; transcription of literature for keyboard, violin, cello, etc.; Renaissance and baroque ornamentation and performance practice; reading of figured bass and continuo playing.

Distribution: NLA.

PFMJ 31900 - Jazz Guitar III - Music Majors (1 to 4)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 31902 - Jazz Guitar III - Secondary Instrument (1)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing.

Distribution: NLA.

PFMJ 32100 - Flute III - Music Majors (1 to 4)

Taffanel-Gaubert, "17 Daily Exercises"; Marcel Moyse, "De la Sonorité"; Trevor Wye, "Practice Book no. 4 -- Intonation." Articulation studies, including multiple tonguing. Representative études including Andersen, "24 Études," op. 21 and op. 30; and Demerrseman, "50 Melodic Studies," op. 4. Representative repertoire including Honegger, "Danse de la Chèvre"; Telemann, "Twelve Fantasies"; Bach sonatas; Hindemith, Sonata; Mozart concertos; Poulenc, Sonata; and Quantz concertos. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 32102 - Flute III - Secondary Instrument (1)

Taffanel-Gaubert, "17 Daily Exercises"; Marcel Moyse, "De la Sonorité"; Trevor Wye, "Practice Book no. 4 -- Intonation." Articulation studies, including multiple tonguing. Representative études including Andersen, "24 Études," op. 21 and op. 30; and Demerrseman, "50 Melodic Studies," op. 4. Representative repertoire including Honegger, "Danse de la Chèvre"; Telemann, "Twelve Fantasies"; Bach sonatas; Hindemith, Sonata; Mozart concertos; Poulenc, Sonata; and Quantz concertos.

Distribution: NLA.

PFMJ 32300 - Oboe III - Music Majors (1 to 4)

Technique continued as before, including long tones for endurance, and scales and triads in all keys and in all note values. Études from Ferling and the "Vade Mecum." Representative repertoire selected from the Mozart, Graun, Stamitz, Fischer, and Vivaldi concertos, and the Saint-Saëns, Hindemith, and Poulenc sonatas. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 32302 - Oboe III - Secondary Instrument (1)

Technique continued as before, including long tones for endurance, and scales and triads in all keys and in all note values. Études from Ferling and the "Vade Mecum." Representative repertoire selected from the Mozart, Graun, Stamitz, Fischer, and Vivaldi concertos, and the Saint-Saëns, Hindemith, and Poulenc sonatas.

Distribution: NLA.

PFMJ 32500 - Clarinet III - Music Majors (1 to 4)


Distribution: NLA.

PFMJ 32502 - Clarinet III - Secondary Instrument (1)


Distribution: NLA.

PFMJ 32700 - Bassoon III - Music Majors (1 to 4)


Distribution: NLA.

PFMJ 32702 - Bassoon III - Secondary Instrument (1)


Distribution: NLA.

PFMJ 32900 - Saxophone III - Music Majors (1 to 4)


Distribution: NLA.

PFMJ 32902 - Saxophone III - Secondary Instrument (1)

Technique to include continuation of previous material, with emphasis placed on increasing technical facility. Representative études including G. Lacour, "28 Études on Modes of Messiaen"; E. Bozza, "12 Études and Caprices"; R. Caravan, "Paradigms"; G. Lacour, "8 Very Difficult Studies." Representative repertoire including W. Hartley, "Duo for Saxophone and Piano"; W. Benson, Concertino; R. Caravan, "Sketch"; K. Husa, "Elégie et Rondeau"; Milhaud, "Scaramouche"; R. Muczynski, Sonata; P. Bonneau, "Caprice en Forme de Valse"; and various chamber works.

Distribution: NLA.

PFMJ 33100 - French Horn III - Music Majors (1 to 4)

Technique including lip slurs covering three octaves in broken triads, fourths, fifths, and octaves. All major scales in broken thirds, fourths, fifths, and augmented fourths. Lip trill. Representative études including Maxime-Alphonse, book 4; Reynolds, "48 Études" (1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 14, 18, 25, 27, 29, 31, 34, 37). Orchestral excerpts from Wagner, Strauss, and French repertoire. Representative repertoire including Mozart, Horn Quintet; Dukas, Villanelle; Wilder, Sonata no. 1; Hindemith, Sonata; Strauss, Concerto no. 2 (second and third movements); Schoeck, Concerto; Stich, Quartet; and Beversdorf, Sonata. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 33102 - French Horn III - Secondary Instrument (1)

Technique including lip slurs covering three octaves in broken triads, fourths, fifths, and octaves. All major scales in broken thirds, fourths, fifths, and augmented fourths. Lip trill. Representative études including Maxime-Alphonse, book 4; Reynolds, "48 Études" (1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 14, 18, 25, 27, 29, 31, 34, 37). Orchestral excerpts from Wagner, Strauss, and French repertoire. Representative repertoire including Mozart, Horn Quintet; Dukas, Villanelle; Wilder, Sonata no. 1; Hindemith, Sonata; Strauss, Concerto no. 2 (second and third movements); Schoeck, Concerto; Stich, Quartet; and Beversdorf, Sonata. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 33300 - Trumpet III - Music Majors (1 to 4)

Continuation of study from Schlossberg and Clarke. Use of the C, D, E-flat, and piccolo trumpet. Transposition from Sachse, "100 Studies." Études including Brandt, "34 Studies"; Bitsch, "20 Études"; and Longinotti, "Studies in Classical and Modern Style." Orchestral excerpts from

Distribution: NLA.

PFMJ 33900 - Euphonium III - Music Majors (1 to 4)

Technique including Schlossberg, "Daily Drills and Technical Studies"; Arban, "Method for Trombone"; scale, interval, chord, double- and triple-tonguing, and Grupetto studies. All major and minor scales and arpeggios from memory (three octaves). Clark, "Technical Studies" (Series III). Representative études including Arban, "Method for Trombone" and "12 Celebrated Fantasies and Variations"; Kopprasch, "60 Selected Studies" (book 2); Rochut, "Melodious Études" (book 2); St. Jerome, "Cornet Method," selected études. Representative repertoire including Bach-La Fosse, Cello Suites; Bitot, Improptu; Reiche, Concert Piece no. 2; Hindemith, Sonata (trumpet); Rousseau, "Pièce Concertante"; plus selected band excerpts. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 34100 - Tuba III - Music Majors (1 to 4)


Distribution: NLA.
Soloing; modes and altered scales for improvisation; more advanced substitute chord changes; blues progressions and altered chord changes; longer duration chord changes; patterns and arpeggios; harmonic cycles; standard introduction and endings. Co-requisite: PFMJ 19900.

Distribution: NLA.
Continuation of all previous technical work. Representations études including Rode, "Caprices"; Gavínies, "Etudes"; Paganini, op. 14, and the "24 Caprices." Representative repertoire including concertos by Saint-Saëns, Khachaturian, Tchaikovsky, Sibelius, Vivoledi ("Four Seasons"), and Prokofiev; solo sonatas and partitas by Bach; sonatas by Franck, Copland, Brahms, and Debussy; pieces by Bloch, Vaughan Williams, Stravinsky, and other 20th-century works. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 41100 - Viola IV - Music Major (1 to 4)
Continuation of all previous work; establishing secure technical facility. Flesch, "Scale System"; advanced bowing and left-hand techniques. Viola ensemble. Studies from Fuchs, "Twelve Caprices"; Hermann, "Concert Studies"; Don't, "Études and Caprices," op. 35. Repertoire from Bartók; Walton; Hindemith; Jacob concertos; Vaughan Williams; Bloch and Reger suites; Bach, Violin Sonatas and Partitas; Brahms, sonatas; 20th-century literature. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 41300 - Cello IV - Music Majors (1 to 4)
Continued study of scales, etc., as above; Bazelaire arpeggios. Representative études including the above and Paganini-Silou, "12 Caprices," and virtuosic solo pieces. Representative repertoire including suites; sonatas by Bach, Reger, Bloch; concerti by Locatelli, Bach, Beethoven, Brahms, Kodály, Shostakovich; Haydn; Dvorak (from list above); 20th-century pieces. Performance of solo and cello ensemble repertoire. (F-S). Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 41500 - Double Bass IV - Music Majors (1 to 4)
Technique including all scales and arpeggios with bowings and rhythms. Études from all sources previously studied. Solo repertoire from any source including the Cello Suites of Bach, and works from all periods including the 20th century. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 41700 - Classical Guitar IV - Music Majors (1 to 4)
Instruction in reading lute and baroque guitar tablatures; transcription of literature for keyboard, violin, cello, etc.; Renaissance and baroque ornamentation and performance practice; reading of figured bass and continuo playing. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 41900 - Jazz Guitar IV - Music Majors (1 to 4)
Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 42100 - Flute IV - Music Majors (1 to 4)

Distribution: NLA.

PFMJ 42300 - Oboe IV - Music Majors (1 to 4)
Technique continues as before. Études selected from Rothwell, Belinsky and deLancie's "Orchestra Studies," and G. Gillet's "Advanced Études." Representative repertoire selected from Bach and Telemann cantatas; Mozart, Oboe Quartet K. 370; Vaughan Williams, Concerto; Ibert, "Symphonie Concertante"; Riccardo Malipiero, Sonata; Britten, "Quartet and Metamorphoses." Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 42500 - Clarinet IV - Music Majors (1 to 4)

Distribution: NLA.

PFMJ 42700 - Bassoon IV - Music Majors (1 to 4)
Technique including all scales (100 mm). Continued study of all basic material. Representative études including Milde, "Studies," book 2; Païd, "Method," no. 3; Oubradous, "Method," no. 3. Representative repertoire including Mozart, Bassoon Concerto in B; V. Bruns, Concerto for Bassoon; Etler, Sonata for Bassoon and Piano; Villa-Lobos, "Ciranda das Sete Notas"; symphonies of Beethoven, Brahms, and Tchaikovsky; and "Studio" book. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 42900 - Saxophone IV - Music Majors (1 to 4)

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Continued emphasis is placed on technical facility in various keys and modes. Continued study of extended techniques such as multiphonics, altissimo, timbre changes, tonguing effects. Representative repertoire including concertos by Creston, Dahl, Husa, and Tomasi; sonatas by DiPasquale, Denisov, and others; L. Basset, "Music for Saxophone and Piano"; J. Ibert, "Concertino da Camera"; and various chamber works. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 43100 - French Horn IV - Music Majors (1 to 4)
Continued technique of previous years, the study of the 18th- and early 19th-century hand-horn technique. Representative études including Maxime-Alphonse, book 5; Barboteu, "Études Concertantes"; Reynolds, "48 Études" (18, 20, 21, 23, 28, 30, 35, 41). Orchestral excerpts from contemporary repertoire. Representative repertoire including Brahms, Trio; Porter, Sonata; Atterberg, Concerto; Giãtre, Concerto; Hindemith, Sonata for Alto Horn; Jacob, Concerto; and Schumann, Adagio and Allegro. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 43300 - Trumpet IV - Music Majors (1 to 4)
Summary of tonal and technical development. Pettit, "La Semaine du Virtuoso"; Nagel, "Speed Studies"; études from Chartlair, "36 Études Transcendantes," and Broiles, "Studies and Duets." Orchestral studies from volumes VI and VII; tone poems of Strauss (Rossbach) and operas of Wagner (Hoechne); and Pietzsch, "Die Trompete." Solo repertoire includes the Chaynes or Toma concertos; Corelli, Concerto in D; Hummel, Concerto; and Hindemith, Sonata. Graduate should be capable of a shared recital. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 43500 - Tenor Trombone IV - Music Majors (1 to 4)
Concentrated study of Bach's Cello Suites as études for musical development; coaching of traditional orchestral excerpts. Introduction to less traditional solo repertoire by Berio, Bernstein, Bassett, Druckman, Cox, Eakin, Krol, Loetsier, and Schifman. Preparation of a senior recital must include a major work, such as Hindemith, Krol, or Dutilleux. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 43700 - Bass Trombone IV - Music Majors (1 to 4)
Concentrated study of Bach's Cello Suites as études for musical development; coaching of traditional orchestral excerpts. Introduction to less traditional solo repertoire by Hartley, Ross, and Muller. Preparation of a senior recital must include a major work, such as the George Concerto. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 43900 - Euphonium IV - Music Majors (1 to 4)
Technique including Schlossberg, Daily Drills and Technical Studies; Arban, Method for Trombone (continued technical materials); St. Jacome, Cornet Method, velocity and other studies. Continuation of all scales and arpeggios, articulations, including double- and triple-tongue. Representative études including St. Jacome, Cornet Method, selected études; Smith, Top Tunes for the Trumpeter; Charlier, 36 Études Transcendantes (trumpet); Rochut, Melodious Études (trombone, book 3). Representative repertoire including Boccalari, Fantasia di Concerto; Fitzgerald, Concerto in A-flat Minor; Sowerby, Sonata for Trumpet; Strauss, Concerto for Horn; Bozza, Prelude et Allegro; Baret, Moreceau de Concours; plus selected band excerpts. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 44100 - Tuba IV - Music Majors (1 to 4)
Technique including W. Bell, "Tuba Warmups" (part 2); Blazevich, "Advanced Daily Drills"; continued use of Arban materials. Continuation of all scales and arpeggios from memory, all articulations, including double- and triple-tongue. H. L. Clarke, "Technical Studies" (Series II, cornet). Representative études including Smith, "Top Tunes for the Trumpeter"; Charlier, "6 Études Transcendantes" (trumpet); Saint-Jacome, "Twelve Grand Artistic Studies" (cornet); Rochut, "Melodious Études" (book 3, trombone); Blazevich, "70 Études for BB-flat Tuba." Representative repertoire including Le Clercq, Concertino; Boccalari, "Fantasia di Concerto"; Hindemith, Sonata; Williams, Concerto; Levedev, Concerto Allegro; Brandt, "Erstes Konzertstück" (cornet); plus selected band and orchestral excerpts. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 44300 - Percussion IV - Music Majors (1 to 4)
The order and amount of study vary from student to student, depending on strengths and deficiencies upon matriculation. Variations also occur when a student, in consultation with the major teacher, decides to concentrate in one or more particular areas. An examination is conducted by the instructor at the end of each semester. This examination includes performance and sight-reading. Specific requirements are provided by the instructor. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 44700 - Private Accompanying (1)
Private instruction in accompanying. Representative repertoire includes duo sonata literature, French and English art song, German lieder, operatic arias and short scenes, instrumental concerto accompaniment, and 20th-century French literature for brass and woodwinds. Student collaborates with instrumentalists and vocalists from other studios as assigned. This course fulfills the major ensemble
requirement for piano performance-collaborative emphasis majors. Course meets one hour per week. Prerequisites: MUEN11700, MUEN11800, MUEN21700, MUEN21800, MUEN41700, and MUEN41800; piano performance-collaborative emphasis major. 1 credit. (F-S,Y)

Distribution: NLA.

PFMJ 44800 - Private Accompanying (1)

Private instruction in accompanying. Representative repertoire includes duo sonata literature, French and English art song, German lieder, operatic arias and short scenes, instrumental concerto accompaniment, and 20th-century French literature for brass and woodwinds. Student collaborates with instrumentalists and vocalists from other studies as assigned. This course fulfills the major ensemble requirement for piano performance-collaborative emphasis majors. Course meets one hour per week. Prerequisites: MUEN 11700, MUEN 11800, MUEN 21700, MUEN 21800, MUEN 41700, and MUEN 41800; piano performance-collaborative emphasis major. 1 credit. (F-S,Y)

Distribution: NLA.

PFMJ 45100 - Voice V - Music Majors (1 to 4)

The development of artistic vocal musicianship through the study and performance of carefully selected and individualized vocal literature. The acquisition of a functional vocal technique through attention to posture, breathing, tonal onset, vowel purity, reduction of inhibitory physical tensions, body coordination, and a balanced registration. Appropriate vocalises constructed to meet the individual technical problems of the student. Upper-level studies focus on range extension, vocal flexibility, melismatic singing, and the "messa di voce." Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 45300 - Piano V - Music Majors (1 to 4)

Repertoire is chosen by the instructor as appropriate for the technical abilities, stylistic awareness, and musical growth of the individual student. Variable Credit. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 45500 - Organ V - Music Majors (1 to 4)

Weekly repertoire class is devoted to student performances, church music skills, and organ history and design. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 45700 - Harpsichord V - Music Majors (1 to 4)

Technical studies may include trill exercises, finger independence exercises, scales, and excerpts from various method books. Repertoire initially emphasizes 18th-century literature (e.g., simpler works of Bach, D. Scarlatti, and Rameau). Further study includes earlier keyboard literature and the concomitant techniques (fingering, ornamentation, etc.). Repertoire classes often include discussions of the various schools of harpsichord construction and the corresponding literature, as well as different aspects of performance practice. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 45900 - Violin V - Music Majors (1 to 4)

Continuation of all previous technical work. Representative études including Rode, "Caprices"; Gavinies, "Studies"; Paganini, op. 14 and the "24 Caprices." Representative repertoire including concerti by Saint-Saëns, Khachaturian, Tchaikovsky, Sibelius, Vivaldi ("Four Seasons"), and Prokofiev; solo sonatas and partitas by Bach; sonatas by Franck, Copland, Brahms, and Debussy; pieces by Bloch, Vaughan Williams, Stravinsky, and other 20th-century works. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 46100 - Viola V - Music Majors (1 to 4)

Continuation of all previous work; establishing secure technical facility. Flesch, "Scale System"; advanced bowing and left-hand techniques. Viola ensemble. Studies from Fuchs, "Twelve Caprices"; Hermann, "Concert Studies"; Dont, "Études and Caprices," op. 35. Repertoire from Bartók; Walton; Hindemith; Jacob concertos; Vaughan Williams; Bloch and Reger suites; Bach, Violin Sonatas and Partitas; Brahms, sonatas; 20th-century literature. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 46300 - Cello V - Music Majors (1 to 4)

Continued study of scales, etc., as above; Bazelaire arpeggios. Representative études including the above and Paganini-Siloua, "12 Caprices," and virtuosic solo pieces. Representative repertoire including suites; sonatas by Bach, Reger, Bloch; concerti by Locatelli, Bach, Beethoven, Brahms, Kodály, Shostakovich; Haydn; Dvorak (from list above); 20th-century pieces. Performance of solo and cello ensemble repertoire. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 46500 - Double Bass V - Music Majors (1 to 4)

Technique including all scales and arpeggios with bowings and rhythms. Études from all sources previously studied. Solo repertoire from any source including the Cello Suites of Bach, and works from all periods including the 20th century. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 46700 - Classical Guitar V - Music Majors (1 to 4)
Instruction in reading lute and baroque guitar tablatures; transcription of literature for keyboard, violin, cello, etc.; Renaissance and baroque ornamentation and performance practice; reading of figured bass and continuo playing. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 46900 - Jazz Guitar V - Music Majors (1 to 4)

Technique: scales, modes, melodic minor scale and modes, arpeggios, chord vocabulary, picking, patterns, chord superimposition, chord melody playing, rhythm guitar, comping, and improvisation. Solo repertoire from 1900 to the present. Standards, jazz tunes, pop and rock tunes, etc. Emphasis is placed on style periods and idiomatic playing. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 47100 - Flute V - Music Majors (1 to 4)


Distribution: NLA.

PFMJ 47300 - Oboe V - Music Majors (1 to 4)

Repertory class for oboe majors includes the principles of reed making. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 47500 - Clarinet V - Music Majors (1 to 4)


Distribution: NLA.

PFMJ 47700 - Bassoon V - Music Majors (1 to 4)

Technique including all scales (100 mm). Continued study of all basic material. Representative études including Milde, "Studies," book 2; Paird, "Method," no. 3; Oubradous, "Method," no. 3. Representative repertoire including Mozart, Bassoon Concerto in B; V. Bruns, Concerto for Bassoon; Etler, Sonata for Bassoon and Piano; Villa-Lobos, "Ciranda das Sete Notas"; symphonies of Beethoven, Brahms, and Tchaikovsky; and "Studio" book. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 47900 - Saxophone V - Music Majors (1 to 4)

Continued emphasis is placed on technical facility in various keys and modes. Continued study of extended techniques such as multiphonics, altissimo, timbre changes, tonguing effects. Representative repertoire including concertos by Creston, Dahl, Husa, and Tomasi; sonatas by DiPasquale, Denisov, and others; L. Basset, "Music for Saxophone and Piano"; J. Ibert, "Concertino da Camera"; and various chamber works. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 48100 - French Horn V - Music Majors (1 to 4)

Continued technique of previous years, the study of the 18th- and early 19th-century hand-horn technique. Representative études including Maxime-Alphonse, book 5; Barboteu, "Études Concertantes"; Reynolds, "48 Études" (18, 20, 21, 23, 28, 30, 35, 41). Orchestral excerpts from contemporary repertoire. Representative repertoire including Brahms, Trio; Porter, Sonata; Atterberg, Concerto; Glière, Concerto; Hindemith, Sonata for Alto Horn; Jacob, Concerto; and Schumann, Adagio and Allegro. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 48300 - Trumpet V - Music Majors (1 to 4)

Summary of tonal and technical development. Pettit, "La Semaine du Virtuoso"; Nagel, "Speed Studies"; études from Chartlier, "36 Études Transcendantes," and Broiles, "Studies and Duets." Orchestral studies from volumes VI and VII; tone poems of Strauss (Rossbach) and operas of Wagner (Hoechne); and Pietzsch, "Die Trompete." Solo repertoire includes the Chaynes or Tomasi concertos; Corelli, Concerto in D; Hummel, Concerto; and Hindemith, Sonata. Graduate should be capable of a shared recital. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 48500 - Tenor Trombone V - Music Majors (1 to 4)

Concentrated study of Bach's Cello Suites as études for musical development; coaching of traditional orchestral excerpts. Introduction to less traditional solo repertoire by Berio, Bernstein, Bassett, Druckman, Cox, Eakin, Krol, Loetsier, and Schiffman. Preparation of a senior recital must include a major work, such as Hindemith, Krol, or Dutilleux. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 48700 - Bass Trombone V - Music Majors (1 to 4)

Concentrated study of Bach's Cello Suites as études for musical development; coaching of traditional orchestral excerpts. Introduction to less traditional solo repertoire by Hartley, Ross, and Muller. Preparation of a senior recital...
must include a major work, such as the "George" Concerto. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 48900 - Euphonium V - Music Majors (1 to 4)

Technique including Schlossberg, "Daily Drills and Technical Studies"; Arban, "Method for Trombone" (continued technical materials); St. Jacome, "Cornet Method," velocity and other studies. Continuation of all scales and arpeggios, articulations, including double- and triple-tongue. Representative études including St. Jacome, "Cornet Method," selected études; Smith, "Top Tunes for the Trumpeter"; Charlier, "36 Études Transcendantes" (trumpet); Rochut, "Melodious Études" (trombone, book 3). Representative repertoire including Boccalari, "Fantasia di Concerto"; Fitzgerald, Concerto in A-flat Minor; Sowerby, Sonata for Trumpet; Strauss, Concerto for Horn; Bozza, "Prelude et Allegro"; Baret, "Morceau de Concours"; plus selected band excerpts. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 49100 - Tuba V - Music Majors (1 to 4)

Technique including W. Bell, "Tuba Warmups" (part 2); Blazevich, "Advanced Daily Drills"; continued use of Arban materials. Continuation of all scales and arpeggios from memory, all articulations, including double- and triple-tongue. H. L. Clarke, "Technical Studies" (Series II, cornet). Representative études including Smith, "Top Tunes for the Trumpeter"; Charlier, "6 Études Transcendantes" (trumpet); Saint-Jacome, "Twelve Grand Artistic Studies" (cornet); Rochut, "Melodious Études" (book 3, trombone); Blazevich, "70 Études for BB-flat Tuba." Representative repertoire including Le Clercq, Concertino; Boccalari, "Fantasia di Concerto"; Hindemith, Sonata; Williams, Concerto; Levedev, Concerto Allegro; Brandt, "Erstes Konzertstück" (cornet); plus selected band and orchestral excerpts. Co-requisite: PFMJ 19900. (F-S)

Distribution: NLA.

PFMJ 49300 - Percussion V - Music Majors (1 to 4)

The order and amount of study vary from student to student, depending on strengths and deficiencies upon matriculation. Variations also occur when a student, in consultation with the major teacher, decides to concentrate in one or more particular areas. An examination is conducted by the instructor at the end of each semester. This examination includes performance and sight-reading. Specific requirements are provided by the instructor. Co-requisite: PFMJ 19900.

Distribution: NLA.

PFMJ 49500 - Electric Bass V - Music Majors (1 to 4)

Soloing; modes and altered scales for improvisation; more advanced substitute chord changes; blues progressions and altered chord changes; longer duration chord changes; patterns and arpeggios; harmonic cycles; standard introduction and endings. Co-requisite: PFMJ 19900.

Distribution: NLA.

**PFNM - Performance Non-Major**

PFNM 10100 - Voice Non-Major (1 to 3)

Distribution: LA.

PFNM 10300 - Piano Non-Major (1 to 3)

Distribution: NLA.

PFNM 10500 - Organ Non-Major (1 to 3)

Distribution: LA.

PFNM 10700 - Harpsichord Non-Major (1 to 3)

Distribution: LA.

PFNM 10900 - Violin Non-Major (1 to 3)

Distribution: LA.

PFNM 11100 - Viola Non-Major (1 to 3)

Distribution: LA.

PFNM 11300 - Cello Non-Major (1 to 3)

Distribution: LA.

PFNM 11500 - Double Bass Non-Major (1 to 3)

Distribution: LA.

PFNM 11700 - Guitar Non-Major (1 to 3)

Distribution: LA.

PFNM 12100 - Flute Non-Major (1 to 3)

Distribution: LA.

PFNM 12300 - Oboe Non-Major (1 to 3)

Distribution: LA.

PFNM 12500 - Clarinet Non-Major (1 to 3)

PFNM 12700 - Bassoon Non-Major (1 to 3)

Distribution: LA.

PFNM 12900 - Saxophone Non-Major (1 to 3)

PFNM 13100 - French Horn Non-Major (1 to 3)

Distribution: LA.

PFNM 13300 - Trumpet Non-Major (1 to 3)

Distribution: LA.

PFNM 13500 - Trombone Non-Major (1 to 3)

PFNM 13700 - Bass Trombone Non-Major (1 to 3)
PFNM 13900 - Euphonium Non-Major (1 to 3)

PFNM 14100 - Tuba Non-Major (1 to 3)

PFNM 14300 - Percussion Non-Major (1 to 3)

PFNM 16100 - Recorder Non-Major (1 to 3)

PFNM 16200 - Recorder Non-Major (1 to 3)

PFNM 16300 - Electric Bass Non-Major (1 to 3)

PFNM 16400 - Electric Bass Non-Major (1 to 3)

PFSM 10100 - Class Voice (1)
Small classes in voice to develop an understanding of the vocal mechanism and the application of sound principles of breath control and vowel placement. Primarily for the non-voice major who will be dealing with voices and choral groups in public school and community positions. 1 credit. (F-S)

Distribution: NLA.

PFSM 10200 - Class Voice (1)
Second semester continuation of Class Voice 10100 for keyboard and guitar majors in the vocal-general track. Small classes in voice to develop an advanced understanding of the vocal mechanism and the application of sound principles of singing so that the student can become an appropriate vocal model. Students will also be involved in listening critically to classmates to learn vocal teaching principles. Primarily for the non-voice major who will be dealing with voices and choral groups in public school and community positions. Prerequisite: PFSM 10100. 1 credit. (F-S)

Distribution: NLA.

PFSM 10900 - Class Violin I (1)
Proper position (holding); all major scales and arpeggios in first position; various exercises using martelé, staccato, spiccato at the frog, slurred, and legato bowings. Introduction of positions, including exercises in shifting; vibrato; ability to play the first three Bach minuets, the second using an alternate third-position fingering. 1 credit. (F)

Distribution: NLA.

PFSM 11000 - Class Violin II (1)
Continuation of PFSM 10900, including spiccato in the middle of the bow. Some small ensemble playing, including violin duets and trios, and some using the viola. (Advanced classes include a more detailed study of the viola, instruction given in proper fingering, and bowing of string music.) Special effects, such as harmonics and ponticello. Discussion of string teaching techniques and method books. Prerequisite: PFSM 10900. 1 credit. (S)

Distribution: NLA.

PFSM 11200 - Class Viola (1)
Instruction in correct positions (holding, posture, left hand, right hand) using all major scales and arpeggios in first position with various bowings (slurred, détaché, martelé, spiccato). Introduction to shifting, positions, vibrato, and three-octave scales. Selected études from Wolfhart, books I and II. Strong emphasis is placed on comprehension of principles of viola playing (includes fluency in reading alto clef) and on teaching techniques. 1 credit. (S)

Distribution: NLA.

PFSM 11300 - Class Cello I (1)
Technique including seating, natural left- and right-hand position, shifting, basic bowing strokes, position studies through fourth position, and appropriate scales, arpeggios, and pieces. Modern fingering and bowing principles stressed. Representative books including Margaret Rowell, "Prelude to String Playing," and Dotzauer, "Violoncello Method" (vol. I). Playing by ear. Care of instrument. 1 credit. (F)

Distribution: NLA.

PFSM 11400 - Class Cello II (1)
Continuation of PFSM 11300 and more advanced bowings including spiccato. Thumb position and vibrato stressed along with playing by ear. Representative books, including Dotzauer, "Violoncello Method" (vol. II), and pieces. Verbal emphasis for improved teacher communication. Light repair of instrument. Discussion of teaching techniques and method books. Prerequisite: PFSM 11300. 1 credit. (S)

Distribution: NLA.

PFSM 11500 - Class Double Bass (1)
Technique to include seven positions, scales and arpeggios, use of German and French bows, exercises in common bowings, and representative études including Simandl, "New Method for Double Bass" (part I). Excerpts from orchestral literature. 1 credit. (F)

Distribution: NLA.

PFSM 11700 - Class Guitar (1)
One-semester course, available after completion of prerequisite piano, mainly for piano and voice majors who wish to use guitar for classroom teaching. Basic and intermediate classic and folk guitar techniques including complete fingerboard, simple chords in first position, ascending and descending ligado, second and third positions, and accompanying school basal series pieces. 1 credit. (F-S)

Distribution: NLA.

PFSM 12100 - Class Flute (1)

Technique including study of basic concepts of good tone production, embouchure, flexibility, simple tonguing, hand and body positions, and simple care of the instrument. Chromatic scales from C1 to B3, major scales in five-note patterns through three sharps and three flats; octaves, interval studies; long-tone studies with dynamics; simple articulations. Representative études including Rubank, "Beginning Method." Representative literature including Rubank, "Selected Duets" (vol. I); various reading assignments including Edwin Putnik, "Flute Pedagogy and Performance"; Frederick Wilkins, "Flutists' Guide"; Westphal, "Guide to Teaching Woodwinds." 1 credit. (F-S)

Distribution: NLA.

PFSM 12300 - Class Oboe (1)

Summary of playing technique (fingerings, blowing, and embouchure) with application in long tones and slow scales. Care of the instrument and the reed, treatment of other instruments in the oboe family, solo and chamber music literature, instrument makes, principles of reed making and mechanical adjustments. Pedagogical problems are treated in conjunction with a discussion of various étude books and methods in use today. All students will use a reed of their own making at the final playing examination. 1 credit. (F-S)

Distribution: NLA.

PFSM 12500 - Class Clarinet (1)

Discussion of correct posture, breathing, embouchure, hand position, finger motion, and articulation in terms of starting a young beginner. Emphasis is placed on developing a full, resonant, clear, mellow sound; establishing consistent results; achieving clean articulation. Mention of problems commonly encountered in teaching and playing; noting error, resulting effect, and correction. Information on instrument, mouthpiece, and reed selection and care. Survey of instructional materials for beginning and intermediate levels. Performance includes chromatic scale from low E to high E in slurred eighth notes at mm 72; all major and minor scales (two octaves) through four flats and four sharps; representative études from Whistler (ed.), "Klose-Lazarus Method." Selected material from level I of clarinet majors includes Bonade's "Clarinetist's Compendium." 1 credit. (F-S)

Distribution: NLA.

PFSM 12700 - Class Bassoon (1)


Distribution: NLA.

PFSM 12900 - Class Saxophone (0.5)

Fundamentals of saxophone technique including handling, care, and assembly; hand and body position; basic embouchure and tone production; basic articulation; alternate fingerings; instrument, mouthpiece, and reed selection; vibrato; and two-octave range. Techniques of playing and teaching are emphasized, including observation, analysis, and prescription of peer problems. Materials to include L. Teal, "The Art of Saxophone Playing"; S. Mauk and L. Teal, "A Class Method for Saxophone"; various handouts. 0.5 credit. (F-S)

Distribution: NLA.

PFSM 13100 - Class Horn (0.5)

Emphasis is placed on embouchure development and breath control. Technique including all major scales, tongued and slurred, within the two-octave range G to C2; lip slurs. Performance from Pottag-Hovey, "French Horn Method," book I, including selected studies in E-flat horn. 0.5 credit. (F-S)

Distribution: NLA.

PFSM 13300 - Class Trumpet (.5 to 1)

Principles of embouchure formation, position, articulation, and the control of air to produce the characteristic tone of the trumpet and cornet. Discussion of and reference to standard study and solo material and pedagogical techniques. Technique to include major scales and their relative minors through five sharps and flats, one octave in quarters and eighths at mm 72; ability to demonstrate C transposition; methods of effecting the lip slur; and multiple articulations. Material to include Beeler, "Method for Cornet"; Farkas, "Art of Brass Playing"; and Rassmussen, "Teacher's Guide to the Literature of Brass Instruments." 0.5-1 credit. (F-S)

Distribution: NLA.

PFSM 13500 - Class Trombone (0.5)
Designed to develop both playing ability and pedagogical competence for prospective teachers. Reference to standard study and solo literature. Special attention to the acoustical and physiological characteristics of the brass family as applied to the slide trombone. Discussion of the F attachment and bass trombone. Technique including major and relative minor scales through five flats and sharps, mm 72 in quarters and eighths. Beeler, "Method for Trombone." 0.5 credit. (F-S)

Distribution: NLA.

PFSM 13700 - Class Euphonium (0.5)

Function of the tuba, baritone, and euphonium in band, orchestra, and ensemble, with demonstration of musical examples from the literature. The various keys and types of instruments, and uses for which each is best suited. Survey of tuba and baritone pedagogical materials and techniques, with emphasis placed on establishment of an effective and well-balanced daily practice routine. Representative solos from tuba and baritone repertory. Development of satisfactory tone production and articulation. Playing of major and minor scales and chords, one octave, eighth notes at mm 72, through five sharps and flats. Acquaintance with the intonation problems of the instruments studied and the techniques available for their correction. Development of adequate technique for performance of études and solos of medium difficulty. Farkas, "Art of Brass Playing"; Bell, "Tuba Warmups" (book I); Arban's "Bass Clef," complete method. 0.5 credit, (F).

Distribution: NLA.

PFSM 13900 - Class Tuba (0.5)

Function of the tuba, baritone, and euphonium in band, orchestra, and ensemble, with demonstration of musical examples from the literature. The various keys and types of instruments, and uses for which each is best suited. Survey of tuba and baritone pedagogical materials and techniques, with emphasis placed on establishment of an effective and well-balanced daily practice routine. Representative solos from tuba and baritone repertory. Development of satisfactory tone production and articulation. Playing of major and minor scales and chords, one octave, eighth notes at mm 72, through five sharps and flats. Acquaintance with the intonation problems of the instruments studied and the techniques available for their correction. Development of adequate technique for performance of études and solos of medium difficulty. Farkas, "Art of Brass Playing"; Bell, "Tuba Warmups" (book I); Arban's "Bass Clef," complete method. 0.5 credit, (F).

Distribution: NLA.

PFSM 14100 - Percussion Class (1)

Orchestral and rudimentary snare drumming with like-hand and tradition-al hand holds. Standard rudimentary drum literature, teaching methods, and techniques for all percussive instruments. Maintenance and repair of instruments. Class meetings: Two hours per week. 1 credit. (F-S)

Distribution: NLA.

PFSM 16100 - Class Recorder (1)

Basic techniques include breath support, fingerings, and articulations on soprano and alto recorders. Ensemble playing begins immediately with emphasis placed on music suitable for classroom situations in schools, followed by a brief survey of recorder literature from all historical periods along with folk music arrangements. 1 credit. (F-S)

Distribution: NLA.

PFSM 17100 - Keyboard Musicianship I (1)

An introduction to fundamentals of keyboard musicianship. Skill emphasis is placed on grand staff reading, techniques, repertoire, sight-reading, diatonic harmonization, transposition, improvisation, and playing by ear. Designed for the non-pianist music major. Placement by audition only. 1 credit. (F-S)

Distribution: NLA.

PFSM 17200 - Keyboard Musicianship II (1)

The continuation of keyboard skills developed in PFSM 17100. Additional emphasis is placed on harmonization, including secondary harmonies using a variety of accompanimental styles, lead line notation, open score reading, ensemble, and accompanying skills. Prerequisites: PFSM 17100 or by audition. 1 credit. (F-S)

Distribution: NLA.

PFSM 17500 - Keyboard Musicianship I - Keyboard Majors (1)

The introduction and development of functional keyboard skills including sight-reading, score analysis, performing chord progressions, harmonization of melodies utilizing diatonic triads, seventh chords and secondary dominants; transposition of single lines and simple keyboard textures up to the interval of major/ minor third; playing of choral open score and the development of basic choral accompanying skills; playing by ear; and performing ensemble literature for multiple keyboards. Course is required of all keyboard majors and composition-keyboard emphasis students. Open to others by audition only. 1 credit. (F)

Distribution: NLA.

PFSM 17600 - Keyboard Musicianship II - Keyboard Majors (1)

Continuation of developing functional keyboard skills including sight-reading, alto and tenor clef reading, and performing chord progressions and harmonization of
melodies utilizing chromatic harmony; instrumental transposition; performing from instrumental open score; and an introduction to figured bass realization. Course is required of all keyboard majors and composition-keyboard emphasis students. Prerequisites: PFSM 17500 or by audition. 1 credit. (S)

Distribution: NLA.

PFSM 24700 - String Class (1)
A course in the basic strategies of teaching and playing string instruments, with particular emphasis placed on development of beginners. Also included is a survey of materials useful in teaching these instruments. Class meetings: Four hours per week for one block. 1 credit. (F-S)

Distribution: NLA.

PFSM 27100 - Keyboard Musicianship III - Vocal Performance Majors (1)
A continuation of skills developed in PFSM 17200. Emphasis is placed on developing technical facility and keyboard skills appropriate for a vocal performance major such as playing vocal open score and solo or choral accompaniments. Prerequisites: PFSM 17200. 1 credit. (F,S,Y)

Distribution: NLA.

PFSM 27200 - Keyboard Musicianship IV - Vocal Performance Majors (1)
A continuation of skills developed in PFSM 27100. Emphasis is placed on developing technical facility and keyboard skills appropriate for a vocal performance major such as playing vocal open score and solo or choral accompaniments. Prerequisites: PFSM 27100. 1 credit. (F,S,Y)

Distribution: NLA.

PFSM 27300 - Keyboard Musicianship III - Vocal Music Education Majors (1)
The continuation of skills developed in PFSM 17200. Emphasis is placed on developing technical facility and keyboard skills appropriate for a vocal music education major such as using the piano in a classroom setting and preparing and performing vocal or choral accompaniments. Prerequisites: PFSM 17200. 1 credit. (F,S,Y)

Distribution: NLA.

PFSM 27400 - Keyboard Musicianship IV - Vocal Music Education Majors (1)
A continuation of skills developed in PFSM 27300. Emphasis is placed on developing technical facility and keyboard skills appropriate for a vocal music education major such as using the piano in a classroom setting and preparing and performing vocal or choral accompaniments. Prerequisites: PFSM 27300. 1 credit. (F,S,Y)

Distribution: NLA.

PFSM 34900 - Woodwind Class (1)
A course in the basic strategies of teaching and playing woodwind instruments, with particular emphasis placed on the development of beginners. Also included is a survey of materials useful in teaching these instruments. Class meeting: Two hours per week. 1 credit. (F-S)

Distribution: NLA.

PFSM 35100 - Brass Class (1)
A course in the basic strategies of teaching and playing brass instruments, with particular emphasis placed on the development of beginners. Also included is a survey of materials useful in teaching these instruments. Class meetings: Two hours per week. 1 credit. (F-S)

Distribution: NLA.

PHED - Physical Education

PHED 14400 - Fundamentals of Dance and Movement (1)
This course will prepare the future teacher in the area of movement development, through basic dance. Emphasis will be placed on the teaching of dance in the public school setting, in both secondary and primary grades. Although there is a dance skill component, the majority of the class focuses on knowledge about pedagogy of fundamental movements in dance and progressions. Students will learn teaching progressions to be effective in the public school setting. 1 credit. (S,Y)

Distribution: NLA.

PHED 17800 - Fundamental Movement Concepts Gymnastics (1)
This course will prepare the future teacher in the area of movement development, through basic gymnastics. Emphasis will be placed on the teaching of gymnastics in the public school setting, with particular focus on the primary grades. Although there is a movement component, the majority of this course will be cognitively based. Students will learn teaching progressions and deal with learning effectiveness in the public school setting. 1 credit. (S,Y)

Distribution: NLA.

PHED 20200 - Teaching Goal-Oriented Games in Physical Education (1)
Introduces students to a tactical model/approach to higher-level games play, focusing specifically on the offensive and defensive strategies and skills common to goal-oriented games (e.g. soccer, football, lacrosse, basketball, handball). Corequisites: PHED 23000. 1 credit. (S, Y)

Distribution: NLA.
PHED 20400 - Teaching Net/Wall Games in Physical Education (1)

Introduces students to a tactical model/approach to higher-level games play, focusing specifically on the offensive and defensive strategies and skills common to net/wall games (e.g., volleyball, tennis, racquetball, paddleball). Corequisites: PHED 23000. 1 credit. (F,Y)

Distribution: NLA.

PHED 20500 - Teaching Target and Fielding Games in Physical Education (1)

Introduces students to a tactical approach to higher-level games play, focusing specifically on the offensive and defensive strategies of target and fielding games (e.g., softball, baseball, archery, golf, bowling). Prerequisites: PHED 10100. 1 credit. (F,Y)

Distribution: NLA.

PHED 20700 - Teaching Outdoor Pursuits and Contemporary Activities (1)

Introduces students to the basic principles involved in teaching outdoor pursuits and adventure education as part of the elementary and secondary physical education programs. Depending on the season, activities include basic rock climbing, mountain biking, cross country skiing, challenge course facilitation and/or backcountry travel techniques for different age groups and diverse populations. Prerequisites: HITH 15200. 1 credit. (S,Y)

Distribution: NLA.

PHED 20800 - Teaching Individual Activities in Physical Education (1)

Introduces students to the basic principles involved in the planning, teaching, and assessment of a variety of individual activities taught as part of the secondary physical education curriculum. Activities include, but are not limited to, yoga, wrestling, personal defense, fencing, and track/field. Corequisites: HPPE 23000. 1 credit. (F,Y)

Distribution: NLA.

PHED 21200 - Motor Skills Development (3)

Students will be introduced to the fundamental theories and principles related to the motor, cognitive, and affective development of humans throughout the life span, with emphasis on children and adolescents. Detailed analysis of fundamental movement skills and their relationship to effective, developmentally appropriate movement programs will be explored. Students will demonstrate critical analysis of movement programs and compare and contrast them with best practice. Laboratory experiences involving children and adolescents in school settings will allow students to observe the skills and theories in real-life situations. Prerequisites: HLTH 15200 or PHED 25500. 3 credits. (F-S, Y)

Distribution: NLA, TE.

PHED 23000 - Teaching Physical Activities in Elementary Physical Education (3)

Provides physical education teacher candidates with knowledge in the selection, planning, and implementation of developmentally appropriate physical activities for elementary school children. Introduces students to the "skill theme approach" to teaching games, gymnastics, and dance with an emphasis on the development and use of movement concepts in increasing physical activity as outlined by the National Standards for Physical Education. Emphasis is placed on developing an applied understanding of what to teach and practical lab experiences are included in the course. Prerequisites: PHED 10100 and HLTH 15200. 3 credits. (S, Y)

Distribution: NLA, TE.

PHED 23400 - Fitness Applications for Health Promotion (4)

Incorporates basic kinesiological, biomechanical, and physiological principles and concepts with practical applications for physical activity, health-related fitness, and health promotion. Clinical procedures include body composition measurement, submaximal oxygen uptake testing, assessing blood pressure, calculating body mass indexes, and cholesterol screening. A major emphasis is the assessment of health-related fitness and the prescription of various types of physical activities for children, adolescents, and adults. Prerequisites: EXSS 12000; EXSS 12100. 4 credits. (S,Y)

Distribution: NLA.

PHED 23500 - Teaching Fitness in Physical Education (1)

Introduces students to the teaching and assessment of fitness concepts to children in the K-12 school setting. Emphasis is placed on the practical application, teaching, and assessment of the components of physiological aspects of fitness to children. Topics include the contemporary goals of and background to fitness education, developmentally and instructionally appropriate principles for teaching and assessing fitness, the use of technology in the instruction and assessment of fitness, using various testing batteries, the reporting of fitness results, and the use of goal setting as a motivational tool for improving one's fitness. This course will allow students to become nationally certified as a physical best health-fitness specialist. Corequisites: Prior or concurrent enrollment in PHED 23400. 1 credit. (F-S, Y)

Distribution: NLA.

PHED 25500 - Philosophy and Principles of Coaching (3)

The philosophy and principles of coaching young athletes. Emphasis is placed on development of a coaching philosophy through critical examination of issues relating to coaching. Coaching responsibilities, developmental
characteristics of children and youth, and their implications for the conduct of athletic programs, instructional and administrative methods, effective design and conduct of practices, and enhancement of contest performance are also discussed. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)

Distribution: NLA.

PHED 25600 - Health Sciences Applied to Coaching (3)
The application of modern principles of the health sciences as they relate to youth coaching (up to 12th grade) including exercise physiology, kinesiology, sport psychology, and nutrition. Human growth and development, safety, first aid, training, and conditioning of youth athletes are covered. Prerequisite: PHED 25500 or concurrent enrollment. 3 credits. (F-S,Y)

Distribution: NLA.

PHED 33000 - Adapted Physical Education and Sport (3)
Provides students with an understanding of individuals with disabilities. Students learn to adapt physical education activities to meet the abilities of an individual with special needs in order to provide a safe and successful learning experience. Topics addressed include, but are not limited to, philosophical approaches to teaching students with disabilities, legislation affecting the adapted physical education program, the process of identifying students with disabilities in the public school system, and development of the individual education plan. Laboratory experiences include working weekly with students with disabilities in an aquatics program. Prerequisites: PHED 21200. Corequisites: PHED 33200 or PHED 33300. 3 credits. (F-S,Y)

Distribution: NLA.

PHED 33200 - Curriculum and Methods in Elementary School Physical Education (3)
Provides students with practical guidelines for the development and assessment of contemporary elementary physical education programs. Pedagogical skills and strategies for successful teaching as they pertain to the elementary school teaching situations are also emphasized. Developmentally appropriate physical education content using a movement framework (movement concepts and skill themes) serves as the basis for the course, which involves practicum teaching experiences in local elementary schools. Prerequisites: PSYC 21010; PHED 23000; junior or senior standing. 3 credits. (F-Y)

Distribution: NLA, TE.

PHED 33300 - Curriculum and Methods in Secondary School Physical Education (3)
Analysis of the program of physical education in secondary schools; criteria for the selection and grade placement of activities; consideration of methods and teaching techniques; and problems relating to program planning, time allotment, administration of facilities, and program evaluation. Observation and teaching of secondary physical education classes in the Ithaca school system, as well as micro-peer teaching on campus. Prerequisites: Junior or senior standing; PSYC 21010. 3 credits. (S-Y)

Distribution: NLA, TE.

PHED 34900 - Fieldwork in Physical Education (1 to 6)
Practical experience in public, voluntary, or commercial agencies or businesses providing various types of physical education, sports-related activities, or services. Prerequisites: Major or minor in the Department of Health Promotion and Physical Education or the Department of Exercise and Sport Sciences; junior standing or above; permission of department chair. 1-6 credits. (F-S,Y)

Distribution: NLA, TE.

PHED 37400 - Coaching Seminar (2)
Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHED 37600 - Coaching Seminar (2)
Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHED 38500 - Coaching Seminar (2)
Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHED 38600 - Coaching Seminar (2)
Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some
experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHED 38700 - Coaching Seminar (2)

Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHED 38800 - Coaching Seminar (2)

Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHED 39900 - Selected Topics in Physical Education (1 to 3)

Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: LA,NLA.

PHED 42000 - Independent Study in Sport Skills (.5 to 1)

Prerequisites: Major or minor in Department of Health Promotion and Physical Education; PHED 33200 or PHED 33300; permission of department chair. 0.5-1.0 credits. (F-S,Y)

Distribution: NLA.

PHED 42001 - Independent Study in Sport Skills (.5 to 1)

Prerequisites: Major or minor in Department of Health Promotion and Physical Education; PHED 33200 or PHED 33300; permission of department chair. 0.5-1.0 credits. (F-S,Y)

Distribution: NLA.

PHED 42002 - Independent Study in Sport Skills (.5 to 1)

Prerequisites: Major or minor in Department of Health Promotion and Physical Education; PHED 33200 or PHED 33300; permission of department chair. 0.5-1.0 credits. (F-S,Y)

Distribution: LA.

PHED 42003 - Independent Study in Sport Skills (.5 to 1)

Prerequisites: Major or minor in Department of Health Promotion and Physical Education; PHED 33200 or PHED 33300; permission of department chair. 0.5-1.0 credits. (F-S,Y)

Distribution: LA.

PHED 43900 - Tests and Measurement in Physical Education (3)

Prepares students to assess student learning in a K-12 physical education setting. Through a combination of lectures, labs, discussions, and field-based activities, opportunities are provided to understand and apply current educational testing and evaluation procedures. Course content includes study of the criteria for selection of tests, application of statistical procedures, construction and analysis of assessment tools, procedures for classification and grading of students, and program assessment techniques. Credit will not be given for both this course and HLTH43900. Prerequisites: PHED 33200, PHED 33300, or HLTH 36000. 3 credits. (F,Y)

Distribution: NLA,TE.

PHED 44000 - Organization and Administration of Physical Education (3)
Policies and procedures in the organization and administration of physical education and athletics in the public school setting. Directed discussions and investigation of the nature and scope of administrative responsibilities in programs of physical education and athletics. Prerequisites: PHED 33200 or PHED 33300, or permission of instructor. 3 credits. (F,Y)

Distribution: NLA,UND.

PHED 44100 - Student Teaching in Physical Education (10)
Observation and supervised student teaching. Assignment to approved, cooperating schools full-time for one semester in the senior year. Experience in classroom observation, participation, teaching, coaching, and intramural and noon-hour supervision. Individual conferences with Ithaca College coordinators of field experiences. Required of all students preparing to teach physical education in elementary or secondary school. Prerequisites: Current American Red Cross CPR and first-aid card; PSYC 21010; PHED 33200; PHED 33300; EDUC 34000. 10 credits. (F-S,Y)

Distribution: NLA,TE,UND.

PHED 44500 - Student Teaching in Physical Education (dual major) (5)
Observation and supervised student teaching. Assignment to approved, public schools full-time for a half semester in the senior year. Experience in structured observation, classroom assisting, and direct instruction; additional experience in planning, conferencing, and related school duties outside regular class periods. Individual conferences are held with Ithaca College supervisors of field experiences. Required of all dual health education and physical education majors. Prerequisites: Current American Red Cross CPR and first-aid card; PSYC 21010; PHED 33200; PHED 33300; EDUC 34000. 5 credits. (F-S,Y)

Distribution: NLA,TE.

PHED 44800 - Professional Seminar (2)
A field course to be taken in conjunction with PHED 44100 Student Teaching in Physical Education. Examines current trends and developments in teaching and extracurricular activities, as well as situations identified in student teaching. Special interest speakers. 2 credits. (F-S,Y)

Distribution: NLA,TE.

PHED 45000 - Independent Study in Physical Education (1 to 3)
Individual study program for investigation of special problems in the field of physical education. Written report required. Prerequisites: Permission of instructor and department chair. 1-3 credits. (F-S,Y)

Distribution: LA.

PHED 45001 - Independent Study in Physical Education (1 to 3)
Individual study program for investigation of special problems in the field of physical education. Written report required. Prerequisites: Permission of instructor and department chair. 1-3 credits. (F-S,Y)

Distribution: LA.

PHED 45002 - Independent Study in Physical Education (1 to 3)
Individual study program for investigation of special problems in the field of physical education. Written report required. Prerequisites: Permission of instructor and department chair. 1-3 credits. (F-S,Y)

Distribution: LA.

PHED 45003 - Independent Study in Physical Education (1 to 3)
Individual study program for investigation of special problems in the field of physical education. Written report required. Prerequisites: Permission of instructor and department chair. 1-3 credits. (F-S,Y)

Distribution: LA.

PHED 46000 - Internship in Physical Education (6 to 12)
Supervised work experience in a sports-related service agency or business during the summer or the regular academic year. Prerequisites: Minimum 2.50 cumulative GPA; junior standing or above; current American Red Cross CPR and first aid card; permission of the instructor and department chair. 6-12 credits. (F-S,Sum,Y)

Distribution: NLA.

PHED 47400 - Coaching Seminar (2)
Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHED 47500 - Coaching Seminar (2)
Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHED 47700 - Coaching Seminar (2)
Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

PHED 48400 - Coaching Seminar (2)

Provide an in-depth understanding of strategies, specific to each sport. Students in these seminars will work with experienced coaches to learn the skills necessary to provide guidance, leadership, and inspiration in the development of athletes and teams. It is recommended that you have some experience as a player, or with the sport specific to each seminar. 2 credits. (F-S,Y)

Distribution: NLA.

PHIL - Philosophy

PHIL 10100 - Introduction to Philosophy (3)

Introduction to philosophy that focuses on perennial philosophical problems, such as the relation of the mind to the body, the possibility of truth and objectivity, the purpose of human life, and the existence of God, utilizing classical, modern, or contemporary works. 3 credits. (F-S,Y)

Distribution: 1,HU,LA.

PHIL 15100 - Reasoning (3)

An introduction to the techniques of organized thinking. The course focuses on three areas: (1) the analysis and evaluation of passages that contain reasoning; (2) the fundamentals of logic; and (3) problem solving by deduction. The first two areas serve to increase the student's comprehension of argumentative discourse. The third involves the marshaling of facts and data to arrive at conclusions. 3 credits. (F-S,Y)

Distribution: 2B,HU,LA.

PHIL 17500 - Selected Topics in Philosophy (3)

Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: 1,HU,LA.

PHIL 17501 - Selected Topics in Philosophy (3)

Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: 1,HU,LA.

PHIL 17502 - Selected Topics in Philosophy (3)

Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: 1,HU,LA.

PHIL 17503 - Selected Topics in Philosophy (3)

Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: 1,HU,LA.

PHIL 17504 - Selected Topics in Philosophy (3)

Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: 1,HU,LA.

PHIL 17505 - Selected Topics in Philosophy (3)

Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: 1,HU,LA.

PHIL 17600 - Selected Topics in Philosophy (3)

Topics to be determined according to teacher and student interest. May be repeated for credit when topics vary. 3 credits. (IRR)

Distribution: HU,LA.

PHIL 20100 - Plato and Aristotle (3)

Study of selected texts and ideas of the founders of classical Western philosophy. Texts include selected dialogues of Plato and selections from Aristotle's writings,
including the "Metaphysics" and "Nichomachean Ethics." Prerequisites: One course in humanities, social sciences, or science. 3 credits. (IRR)

Distribution: HU,LA.

PHIL 20300 - Introduction to Logic (3)
Covers the traditional logic of the syllogism and the logic of truth functions. Prerequisites: One course in the humanities, sciences, or mathematics. 3 credits. (F-S,Y)

Distribution: 2B,LA,NS.

PHIL 21200 - Introduction to Ethics (3)
Introduction to the problems and theories of normative thinking. Is there a right thing to do, and how can we tell what it is? Contemporary moral issues, such as abortion, capital punishment, discrimination, war, aid to the needy, require us to reflect carefully on fundamental topics in ethics, including rights, human dignity, responsibility, and the value of life. Readings selected from both classical and modern sources. Prerequisites: One course in humanities or social sciences. 3 credits. (Y)

Distribution: 1,HU,LA.

PHIL 22000 - Political Philosophy (3)
Introduction to the central questions of political philosophy. Topics include the disputed necessity of a political authority; various attempts to justify a political obligation to comply with the demands of the state; an examination of the merits and weaknesses of democracy as a legitimate form of governing; the proper scope of a right to liberty within a democratic society; and questions of distributive justice, including the justice of redistribution of wealth to rectify large social inequities. Prerequisites: One course in the humanities or social sciences; sophomore standing. 3 credits. (IRR)

Distribution: 1,HU,LA.

PHIL 22300 - Introduction to the Philosophy of Art (3)
Analysis of the problem of defining art, examination of criteria used to evaluate artworks, illustration of Langer's principles of art, and consideration of avant-garde and Marxist views of art. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

PHIL 22500 - Science and Pseudoscience (3)
Examination of selected issues concerning scientific methodology and the demarcation of genuine science from phony science (pseudoscience). Issues include the role of observational evidence in confirmation and disconfirmation of scientific hypotheses, properties a hypothesis must have to be empirical and therefore refutable, and the ways scientific explanation differs from nonscientific explanations. Students learn how to distinguish legitimate science from nonscientific belief systems that attempt to pass as science in the eyes of the public. Prerequisites: One course in philosophy; one course of biology, chemistry, physics, psychology, or anthropology. 3 credits. (IRR)

Distribution: HU,LA.

PHIL 23000 - Bioethics (3)
Bioethics focuses on moral questions about life, human and non-human. It explores the reasoning and moral principles at stake in medical decisions, including, for example, abortion, euthanasia, medical experimentation, and distribution of health care. The moral dimensions of broader life issues, such as cloning and reproductive technology, are also relevant. Such practical topics in bioethics force us to reflect on fundamental ethical matters, including the nature of morality, rights, and the value of life. Prerequisites: Sophomore standing or above. 3 credits. (F-S)

Distribution: 1,HU,LA.

PHIL 24000 - Philosophy in Film (3)
Exploration of various philosophical issues conveyed in film. The course uses the narratives in film to illustrate various philosophical issues and offers philosophical reflection as an interpretive medium to understand films. Prerequisites: One course in the humanities or CNPH 10100; sophomore standing. 3 credits. (IRR)

Distribution: 1,HU,LA.

PHIL 25000 - Environmental Ethics (3)
A critical examination of various moral problems raised when considering environmental issues. Questions regarding the moral status of animals, future generations, and the environment as a whole are explored. Also taken up are the moral aspects of famine relief, population control, and resource use. These issues and others generate challenging and fundamental questions of moral philosophy: What is the basis of obligation? Do animals have rights? What does it mean to say something is intrinsically valuable? Prerequisites: Sophomore standing or above. 3 credits. (Y)

Distribution: 1,HU,LA.

PHIL 26000 - Difference and Community (3)
Individuals sometimes find themselves at odds with the larger community, as do minority groups whose ways of life are unfamiliar or alarming to those in the majority. How should we balance the often competing demands of individuals, groups, and the larger community? What sort of community, if any, is possible despite our individual and group differences? To answer questions such as these, this course will examine philosophical debates over individual liberty, toleration, and multiculturalism. Prerequisite: One course in the humanities or social sciences. 3 credits. (F-O)

Distribution: HU,LA.
PHIL 26500 - Philosophical Problems in Law (3)
Examination and evaluation of basic practices and principles of law, focusing on such topics as the nature and extent of legal liability; "good Samaritan" laws and the legal enforcement of community moral standards; and the justification of punishment, including capital punishment. Examination of prominent legal cases and their underlying principles. Emphasis is placed on philosophical analysis and moral evaluation. Prerequisites: One course in philosophy. 3 credits. (Y)
Distribution: HU, LA.

PHIL 27500 - Selected Topics in Philosophy (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: 1, HU, LA.

PHIL 27501 - Selected Topics in Philosophy (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: 1, HU, LA.

PHIL 27502 - Selected Topics in Philosophy (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: 1, HU, LA.

PHIL 27503 - Selected Topics in Philosophy (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: 1, HU, LA.

PHIL 27504 - Selected Topics in Philosophy (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: 1, HU, LA.

PHIL 27505 - Selected Topics in Philosophy (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: 1, HU, LA.

PHIL 27600 - Selected Topics in Philosophy (3)
Topics to be determined according to teacher and student interest. This course may be repeated for credit when topics vary. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)

PHIL 28300 - Introduction to Buddhism (3)
Study of the life and teaching of Gautama Buddha, and of the development of Theravada Buddhism in Southeast Asia and Mahayana Buddhism in the Far East. Reading and discussion of the Buddhist scriptures and Zen writings. Prerequisites: One course in the humanities or social sciences. 3 credits. (E)
Distribution: 1, G, H, HU, LA.

PHIL 30100 - Seventeenth-Century Philosophy (3)
Study of early British empiricism and continental rationalism with an emphasis on the works of Descartes, Spinoza, and Leibniz. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

PHIL 30200 - Eighteenth-Century Philosophy (3)
Study of Locke, Berkeley, Hume, and Kant. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

PHIL 31100 - Philosophy of Religion (3)
Study and discussion of a broad range of issues in the philosophy of religion, such as religious epistemology, the ontological argument, the cosmological argument, the teleological argument, religion and science, and the problem of evil. Primary source readings. Prerequisites: Two courses in philosophy, with at least one at level 2. 3 credits. (IRR)
Distribution: HU, LA. Crosslisted as: RLST 31100.

PHIL 31300 - Marxist Philosophy (3)
Analysis of the basic elements of Marx's philosophy: dialectical materialism, economic determinism, ethical relativism, ideology and science, and the thesis of class struggle and exploitation. Examines how these concepts might be applied to contemporary capitalist development. Seminar. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

PHIL 32100 - Symbolic Logic (3)
A continuation of PHIL 20300 Introduction to Logic. Logical techniques instrumental to the development of 20th-century philosophy: truth-functional analysis, quantification, the logic of relations, definite descriptions, modal logic, etc. Prerequisites: PHIL 20300 or MATH 26000. 3 credits. (IRR)
Distribution: LA, NS.
PHIL 32600 - Seminar in Aesthetics (3)
Examination of traditional and contemporary aesthetic concepts such as empathy, psychic distance, the beautiful and the sublime, and expressive form, with special attention to the nature of aesthetic responsiveness and judgment, and the kind of meaning to be found in art. Prerequisites: A background in philosophy or the arts, including three courses in the humanities or the fine arts. 3 credits. (IRR)
Distribution: HU,LA.

PHIL 33000 - The Good Life (3)
This course examines one of the oldest and most compelling questions of all time: What is a good life? We all want good lives and we all strive to achieve good lives, but despite the overriding importance of the question, we give little reflective thought to what a good life might be. Is there one particular form that a life must exemplify in order to be good, or are there many kinds of good lives? Is judging a life to be good sufficient for it to be good, or is this the sort of thing one can get wrong? The course will consider what great thinkers -- classical, modern, and contemporary -- have written on this issue. Prerequisites: One course in philosophy; two additional courses in humanities; sophomore standing or above. 3 credits. (IRR)
Distribution: HU,LA.

PHIL 34000 - Global Ethics (3)
The course surveys significant ethical challenges that are global in scope: Are there such things as universal human rights, or is morality ultimately relative to one's particular culture? What, if any, duties do we have to the global environment? What is the difference between a just and unjust war, and between just and unjust ways of combating terrorism? Morally speaking, what can be said in defense of economic globalization, and against it? Are global inequalities in wealth morally defensible? Prerequisites: One course in philosophy; two courses in the humanities and/or social sciences. 3 credits. (F, E)
Distribution: HU,LA.

PHIL 35000 - Philosophy of Science (3)
A comprehensive survey of issues in the philosophical foundations of science. Topics include the structure and function of scientific theories; the dispute over the existence or nonexistence of theoretical entities; reductionism and antireductionism; laws of nature and models of scientific explanation; Kuhn and historicist models of science; the realism/antirealism dispute over the philosophical implications of scientific theories. Prerequisites: PHIL 20300; one course from biology, chemistry, physics, psychology, sociology, or anthropology. 3 credits. (IRR)
Distribution: HU,LA.

PHIL 35200 - Moral Philosophy (3)
Critical exploration of foundational issues in metaethics and normative ethical theory. Topics for consideration include moral relativism, moral realism, and morality and self-interest, along with utilitarian, deontological, natural law, and contractarian theories of ethics. Moral concepts such as rights, duty, and value will also be considered. Readings will be from both classical and contemporary sources. Prerequisites: PHIL 21200, PHIL 23000, or PHIL 25000, or two courses in philosophy and one additional course in the humanities. 3 credits. (IRR)
Distribution: HU,LA.

PHIL 35500 - Metaphysics (3)
Metaphysics is the philosophical investigation into the ultimate nature of reality. This course examines issues and answers in traditional and contemporary metaphysics. Topics include personal identity, causality, determinism, essence and accident, mind and matter, and the nature of God. Prerequisites: One level-2 course in philosophy; two additional courses in the humanities. 3 credits. (IRR)
Distribution: 1,HU,LA.

PHIL 36000 - Philosophy of Mind (3)
The distinctive feature of human beings that traditionally has been held to separate us from the rest of the universe is our supposed possession of a special thing/capacity called "mind." In this course we investigate what kind of thing (or non-thing) the mind is, what relation it has to bodily behavior, and how and why the mind has the extraordinary ability to represent the world truly or falsely. Topics include such questions as, Is the mind physical or non-physical? What is a mental state? What kinds of beings can possess minds? Prerequisites: One course in philosophy; one course in psychology (excluding PSYC 10000); one additional course in the humanities or social sciences. 3 credits. (IRR)
Distribution: 1,HU,LA.

PHIL 37500 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37501 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.
PHIL 37502 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37503 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37504 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37505 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37506 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37507 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37508 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37509 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 37510 - Selected Topics in Philosophy (1 to 4)
Topics to be determined according to student and teacher interest, with primary focus on a problem or a person. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits per semester, to be arranged. (IRR)
Distribution: HU,LA.

PHIL 38100 - Nineteenth-Century Philosophy (3)
Major philosophical movements in the 19th century. Emphasis is placed on selections from the works of Hegel, Mill, Marx, Kierkegaard, and Nietzsche. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)
Distribution: HU,LA.

PHIL 38200 - Twentieth-Century Philosophy (3)
Contemporary thought, including pragmatism, logical positivism, phenomenology, existentialism, Marxism, and analytic philosophy. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)
Distribution: HU,LA.

PHIL 38400 - Existentialism (3)
In-depth philosophical analysis of concepts such as authenticity, the meaning of life, freedom of choice, responsibility, and mortality in the works of 20th-century existentialist thinkers such as Heidegger, Sartre, and Camus, and their 19th-century precursors such as Nietzsche, Dostoevsky, and Kierkegaard. Prerequisites: One course in philosophy; two additional courses in the humanities or social sciences, one of which must be at level 2. 3 credits. (IRR)
Distribution: HU,LA.

PHIL 38600 - Philosophy in Literature (3)
Exercise in conceptualizing philosophical themes as found in a group of selected novellas, novels, and plays by such authors as Dostoyevsky, Tolstoy, Chekhov, Kafka, Gide, Beckett, Camus, and Sartre. Seminar. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences; permission of instructor. 3 credits. (IRR)
Distribution: HU,LA.

PHIL 39100 - Independent Study: Philosophy (1 to 4)
Study or research project of the student's own devising. Minimal consultation with professor; final projects evaluated by professor. Offered on demand only. May be repeated for credit for different projects. Prerequisites: Permission of instructor; one course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

PHIL 39101 - Independent Study: Philosophy (1 to 4)
Study or research project of the student's own devising. Minimal consultation with professor; final projects evaluated by professor. Offered on demand only. May be repeated for credit for different projects. Prerequisites: Permission of instructor; one course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
PHIL 39300 - Tutorial in Philosophy (1 to 4)
Work by student and teacher on a problem or project of interest to both. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences; permission of instructor. May be repeated for credit. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

PHIL 49100 - Independent Study: Philosophy (1 to 4)
Study or research project of the student's own devising. Minimal consultation with professor; final projects evaluated by professor. Offered on demand only. May be repeated for credit for different projects. Prerequisites: Permission of instructor; one course in philosophy; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

PHIL 49101 - Independent Study: Philosophy (1 to 4)
Work by student and teacher on a problem or project of interest to both. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences; permission of instructor. May be repeated for credit. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

PHIL 49300 - Tutorial in Philosophy (1 to 4)
Work by student and teacher on a problem or project of interest to both. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences; permission of instructor. May be repeated for credit. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

PHIL 49500 - Philosophy Seminar (1 to 4)
Small group study of a topic not otherwise offered in the curriculum or not offered at the same level. May be repeated for credit. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences; permission of instructor. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

PHIL 49950 - Philosophy Seminar (1 to 4)
Small group study of a topic not otherwise offered in the curriculum or not offered at the same level. May be repeated for credit. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences; permission of instructor. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

PHIL 49951 - Philosophy Seminar (1 to 4)
Small group study of a topic not otherwise offered in the curriculum or not offered at the same level. May be repeated for credit. Prerequisites: One course in philosophy; two additional courses in the humanities and/or social sciences; permission of instructor. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

PHYS - Physics
PHYS 10100 - Introduction to Physics I (4)
Principles and concepts of classical physics (algebra-based). Mechanics, including rotational motion and energy and momentum conservation, properties of matter, heat and thermodynamics. Three lectures and one recitation/laboratory per week or three two-hour lecture/recitation/laboratory sessions per week.
Prerequisite: Math placement in group 2 or 1 or MATH 13100. 4 credits. (F,Y)
Distribution: 2A,LA,NS.

PHYS 10200 - Introduction to Physics II (4)
A continuation from PHYS 10100 of the principles and concepts of classical physics (algebra-based). Standing waves and sound, physical and geometrical optics, electrostatics, magnetism, DC and AC circuits, and an introduction to atomic physics. Three lectures and one recitation/laboratory per week or three two-hour lecture/recitation/laboratory sessions per week.
Prerequisite: PHYS 10100. 4 credits. (S,Y)
Distribution: 2A,LA,NS.

PHYS 11400 - Introduction to Experimental Physics (1)
This course is an introduction to modern experimental physics for all beginning physics majors or those considering the major. Students will become acquainted with modern experimental tools and techniques through a series of short, hands-on projects, with an emphasis on data-taking as well as data analysis via computers. Students will gain experience with astronomical
observations, liquid cryogens, electronic circuitry, remote sensing devices, as well as the machine shop. Pass/D/Fail only. 1 credit. (F,Y)

Distribution: LA,NS.

PHYS 11700 - Principles of Physics I: Mechanics (4)

Intended as the first semester of calculus-based college physics for students majoring in science or mathematics. Topics include vectors, kinematics in one and two dimensions, dynamics, work, energy, momentum, rotational motion, oscillation, and the properties of fluids. Emphasis is placed on the mathematical analysis of concepts. Three two-hour lecture/recitation/laboratory sessions per week. Prerequisites: MATH 11100 (may be taken concurrently). 4 credits. (F,Y)

Distribution: 2A,LA,NS.

PHYS 11800 - Principles of Physics II: Electricity and Magnetism (4)

Intended as the second semester of calculus-based college physics for students majoring in science or mathematics. Topics include static electric fields and Coulomb's law, Gauss's law, electric potential, capacitors, Ohm's law, the magnetic field and Ampere's law, induction and Faraday's law, and elementary circuit theory. Emphasis is placed on mathematical analysis. Three two-hour lecture/recitation/laboratory sessions per week. Prerequisites: PHYS 11700; MATH 11200 (may be taken concurrently). 4 credits. (S,Y)

Distribution: 2A,LA,NS.

PHYS 12000 - Introductory Applied Physics Laboratory (3)

A laboratory course designed to develop experimental skills. Focus is on the use of modern electronics and computers to measure and analyze data. Students construct analog and digital circuits and then use them to carry out experiments illustrating physical principles from mechanics and electricity and magnetism. Prerequisite: PHYS 11700. 3 credits. (S,Y)

Distribution: LA,NS.

PHYS 14300 - Power: Energy Options for a Global Society (3)

Survey of energy. Topics include energy technologies and energy resources (fossil fuels, nuclear, solar, wind, geothermal, biomass). Students are introduced to electricity, heat production and transfer, heat engines, energy efficiency, and sustainable energy systems. Energy use sectors such as residential, commercial, and transportation are examined. The course begins with a look at energy use in the home and gradually expands to complex subjects such as the electrical grid, national energy policy, deregulation, and international fusion research. The emphasis is on energy literacy and the goal is to provide students with the basic technical principles necessary to design energy projects of their own and to evaluate their costs and benefits. 3 credits. (S,E)

Distribution: 2A,LA,NS.

PHYS 16000 - Physics of Sound (3)

Physical basis of sound, with an emphasis placed on musical instruments, the human voice, and sound recording and reproduction. Physics concepts are introduced and developed as needed to understand these areas. Open to all students. Prerequisites: Math placement in group 2 or 1 or MATH 13100. 3 credits. (Y)

Distribution: 2A,LA,NS.

PHYS 17100 - Earth: Evolution of a Habitable World (3)

Formation and evolution of planet Earth from the astronomer's perspective: creation of elements, the first rocks, development of oceans, the first atmosphere, formation of the moon, records of climate history, and how life on Earth fits into the context of life in the universe. Examination of Venus and Mars as possible analogs for Earth's evolution (past and future). Other topics include the influence of the sun on Earth's climate, the greenhouse effect, the geologic record of the development of continents, and the asteroid and comet impact hazard. Emphasis is placed on our sources of knowledge, the errors of our measurements, and the attendant model uncertainties in predicting Earth's future. Students may not receive credit for both PHYS 17100 and PHYS 17200. Prerequisites: Math placement in group 2 or 1 or MATH 13100. 3 credits. (S,Y)

Distribution: 2A,LA,NS.

PHYS 17200 - Earth: Evolution of a Habitable World with Lab (4)

Formation and evolution of planet Earth from the astronomer's perspective: creation of elements, the first rocks, development of oceans, the first atmosphere, formation of the moon, records of climate history, and how life on Earth fits into the context of life in the universe. Examination of Venus and Mars as possible analogs for Earth's evolution (past and future). Other topics include the influence of the sun on Earth's climate, the greenhouse effect, the geologic record of the development of continents, and the asteroid and comet impact hazard. Emphasis is placed on our sources of knowledge, the errors of our measurements, and the attendant model uncertainties in predicting Earth's future. Students enrolled in this course attend the lecture of PHYS 17100, but also meet for an additional weekly lab. Students may not receive credit for both PHYS 17100 and PHYS 17200. Prerequisites: Math placement in group 2 or 1 or MATH 13100. 4 credits. (S,Y)

Distribution: 2A,LA,NS.

PHYS 17400 - Solar System Astronomy (3)
Survey of the solar system from the earliest conceptions of motions in the sky to modern findings of space exploration in the solar system. Emphasis is placed on physical processes and dynamics of the moon, earth, planets, comets, meteoric matter, and asteroids. Astronomical instruments and measurements. Prerequisites: Math placement in group 2 or 1 or MATH 13100. 3 credits. (Y)
Distribution: 2A,LA,NS.

PHYS 17500 - Stars, Galaxies, and the Universe (3)
Survey of the universe lying beyond the solar system; introduction to characteristics and motions of stars; stellar structure and evolution; interstellar matter; star clusters, the sun, galaxies; introduction to cosmology; the question of life in the universe; astronomical instruments and measurements. Prerequisites: Math placement in group 2 or 1 or MATH 13100. 3 credits. (Y)
Distribution: 2A, LA, NS.

PHYS 17800 - Astronomy Laboratory (1)
Activities include both outdoor observing sessions and indoor lab exercises. Outdoor sessions emphasize learning the night sky and hands-on use of telescopes. Indoor laboratories emphasize data analysis through the use of celestial globes, spectrosopes, computer simulation, and image processing. Prerequisites: PHYS 17400 or PHYS 17500 (either may be taken concurrently). 1 credit. (Y)
Distribution: 2A,LA,NS.

PHYS 21700 - Principles of Physics III: Waves, Optics and Thermodynamics (4)
The third semester of the introductory sequence for science majors. Topics include the first and second laws of thermodynamics, Maxwell distribution, entropy, geometrical optics, interference, diffraction (single and double slits and gratings), optical spectra, and polarization. Prerequisites: PHYS 11800; MATH 11200. 4 credits. (F,Y)
Distribution: 2A,LA,NS.

PHYS 21800 - Principles of Physics IV: Modern Physics (4)
A course aimed at giving students a working knowledge of the concepts of modern physics. Topics include the theory of relativity, interaction of photons with matter, quantum theory, the hydrogen atom, statistical and solid state physics, nuclear physics, and elementary particles. Prerequisites: PHYS 21700. 4 credits. (S,Y)
Distribution: 2A,LA,NS.

PHYS 22500 - DC and AC Circuits (3)
Experiments on DC and AC circuits, with emphasis placed both on test instruments and accurate measurements, and on mathematical analysis and theory (including the use of complex numbers for AC theory). Circuits include steady state and transient RC and RL, and series and parallel RLC. Prerequisites: PHYS 11800; PHYS 12000. 3 credits. (F,Y)
Distribution: LA,NS.

PHYS 29600 - Independent Study: Physics (.5 to 3)
One-semester course in which a student may pursue a topic of interest in physics. Offered on demand only. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit.
Distribution: LA, UND.

PHYS 29900 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F-S,Y)
Distribution: LA.

PHYS 29901 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F-S,Y)
Distribution: LA.

PHYS 29902 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F-S,Y)
Distribution: LA.

PHYS 29903 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F-S,Y)
Distribution: LA.

PHYS 29904 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F-S,Y)
Distribution: LA.

PHYS 29905 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F-S,Y)
Distribution: LA.
PHYS 29906 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F,S,Y)
Distribution: LA.

PHYS 29907 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F,S,Y)
Distribution: LA.

PHYS 29908 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F,S,Y)
Distribution: LA.

PHYS 29909 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F,S,Y)
Distribution: LA.

PHYS 29910 - Introductory Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Prerequisites: Sophomore standing or above; permission of instructor. 0.5-3 credits; 6 credit limit. (F,S,Y)
Distribution: LA.

PHYS 30100 - Mathematical Methods of Physics (3)
Algebra of complex numbers and complex functions, vector calculus, ordinary differential equations, Fourier and Legendre series, and partial differential equations with applications to selected physics topics. There will be several exercises using computer analysis. Prerequisites: COMP 12300; MATH 21100; PHYS 21700. 3 credits. (F,Y)
Distribution: LA,NS.

PHYS 30500 - Electromagnetism (3)
An intermediate course in electricity and magnetism that builds on the foundation received in PHYS 11800. Topics include electric and magnetic fields, Gauss's law, electric potential, circuits, Ampere's law, Faraday's law, and Maxwell's equations. There will be several exercises using computer analysis. It is highly recommended that MATH 21200 Calculus IV be taken prior to this course.
Prerequisites: COMP 12300; MATH 21100; PHYS 21700. 3 credits. (F,Y)
Distribution: LA,NS.

PHYS 31100 - Analytical Mechanics (3)
Intermediate mechanics, including statics and dynamics of particles and rigid bodies, central forces, planetary motion, Lagrange's equation, and Hamilton's equation. Extensive computer analysis. Prerequisites: PHYS 11800; PHYS 30100. 3 credits. (S,Y)
Distribution: LA,NS.

PHYS 32000 - Thermodynamics (3)
Topics include laws of thermodynamics with applications, thermodynamic functions and potentials, kinetic theory, real and idealized systems, and intermolecular processes. Prerequisites: PHYS 21700. 3 credits. (S,Y)
Distribution: LA,NS.

PHYS 32600 - Analog Electronics (3)
A laboratory course on electronics covering the origination, amplification, processing, and digital conversion of analog signals. Experiments involve bipolar transistors, operational amplifiers, active and passive filters, oscillators, and analog-to-digital and digital-to-analog converters. Emphasis is placed on the basic theory underlying the circuits and devices and on general lab techniques. Prerequisites: PHYS 22500. 3 credits. (S,E)
Distribution: LA,NS.

PHYS 35000 - Electromagnetism (3)
An intermediate course in electricity and magnetism that builds on the foundation received in PHYS 11800. Topics include electric and magnetic fields, Gauss's law, electric potential, circuits, Ampere's law, Faraday's law, and Maxwell's equations. There will be several exercises using computer analysis. It is highly recommended that MATH 21200 Calculus IV be taken prior to this course.
Prerequisites: COMP 12300; MATH 21100; PHYS 21700. 3 credits. (F,Y)
Distribution: LA,NS.

PHYS 39800 - Senior Thesis Proposal (1)
Provides opportunity for physics majors to prepare a written proposal in preparation for senior thesis research. Emphasis placed on describing the problem, methodology, equipment, and data analysis needed to successfully complete the research project. Completed proposals are submitted to the physics department for review and approval. Prerequisites: Junior standing; only open to physics majors. 1 credit. (S,Y, B)

PHYS 39900 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39901 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39902 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39903 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39904 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39905 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39906 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39907 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39908 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39909 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 39910 - Intermediate Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 29900-29910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 42100 - Quantum Mechanics (3)
Emphasis is placed on understanding the nature of quantum theory and how it differs from classical ideas. Topics include the uncertainty principle, the Schrödinger equation and solutions to various potentials, perturbation theory, and the one-electron atom. Prerequisites: PHYS 30100. 3 credits. (F,Y)
Distribution: LA,NS.

PHYS 45500 - Electrodynamics (3)
Building on the foundation gained in PHYS 30500, this course completes the mathematical treatment of electromagnetic fields, including: electric and magnetic fields in matter, energy and momentum of EM fields, EM waves, EM potential theory, EM radiation, and special relativity. Prerequisites: PHYS 30500. 3 credits. (IRR)
Distribution: LA,NS.

PHYS 47000 - Selected Topics in Advanced Physics (3)
A capstone course in which students apply their physics skills to advanced topics. Current topics will be chosen based on faculty and student interests and may include advanced astronomy, environmental science, geophysics, and physics topics such as atomic, condensed matter, nuclear, and optical physics. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Senior standing; permission of instructor. 3 credits. (Y)

Distribution: LA,NS.

**PHYS 49500 - Senior Projects (3)**

Capstone experience in which students design, fabricate, conduct, and report on one or more experiments. At least one experiment focuses on material from the student's concentration. Emphasis placed on independent work. Course culminates in a comprehensive examination. Prerequisite: PHYS 32600 or PHYS 36000; open only to physics majors. 3 credits. (S,Y)

Distribution: LA, NS. Offered: S, Y.

**PHYS 49600 - Internship in Physics (1 to 12)**

Designed to offer applications of physics concepts in a setting appropriate to students' interest and training. Internships are arranged individually at the student's request with an instructor and a sponsoring agency and with departmental approval. Students must follow the guidelines of the School of Humanities and Sciences and complete the HS internship application. Prerequisites: Permission of instructor. 1-12 credits. (IRR)

Distribution: NLA.

**PHYS 49700 - Senior Thesis I (1)**

Capstone experience in which seniors prepare, summarize, present and defend their own basic or applied research in physics in a formal written thesis. Emphasis on development of the first draft of the senior thesis. Prerequisite: PHYS 39800, concurrent enrollment in PHYS 49900-PHYS 49910; open only to physics majors. 1 credit. (F,Y)

Distribution: LA,NS.

**PHYS 49800 - Senior Thesis II (2)**

Capstone experience in which seniors prepare, summarize, present, and defend their own basic or applied research in physics in a formal written thesis. Completion of final draft of the senior thesis, presentation and defense of research, and comprehensive examination required. Prerequisites: PHYS 49700, concurrent registration in PHYS 49900-49910; open only to physics majors. 2 credits. (S, Y)

Distribution: LA,NS.

**PHYS 49900 - Advanced Physics Research (.5 to 3)**

Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)

Distribution: LA.

**PHYS 49901 - Advanced Physics Research (.5 to 3)**

Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)

Distribution: LA.

**PHYS 49902 - Advanced Physics Research (.5 to 3)**

Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)

Distribution: LA.

**PHYS 49903 - Advanced Physics Research (.5 to 3)**

Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)

Distribution: LA.

**PHYS 49904 - Advanced Physics Research (.5 to 3)**

Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)

Distribution: LA.

**PHYS 49905 - Advanced Physics Research (.5 to 3)**

Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)

Distribution: LA.

**PHYS 49906 - Advanced Physics Research (.5 to 3)**

Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)

Distribution: LA.

**PHYS 49907 - Advanced Physics Research (.5 to 3)**

Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)

Distribution: LA.
PHYS 49908 - Advanced Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 49909 - Advanced Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PHYS 49910 - Advanced Physics Research (.5 to 3)
Original research participation with a faculty member in a specialized field. Intended for students with prior experience from PHYS 39900-39910. Prerequisites: Permission of instructor. 0.5-3 credits. (F-S,Y)
Distribution: LA.

PLST - Planned Studies

PLST 29900 - Independent Study: Planned Studies (1 to 4)
Students may register for independent study in areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Interested students should obtain the independent study application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of adviser; permission of department chairs and dean. 1-4 credits.
Distribution: NLA,UND.

PLST 29910 - Independent Study: Planned Studies (1 to 4)
Students may register for independent study in non-liberal arts areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Interested students should obtain the independent study application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of adviser; permission of department chairs and dean. 1-4 credits.
Distribution: NLA,UND.

PLST 49900 - Independent Study: Planned Studies (1 to 4)
Students may register for independent study in areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Interested students should obtain the independent study application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Completion of most of a major relevant to the work experience; permission of department chairs and dean. Variable credit.
Distribution: NLA,UND.

PLST 49909 - Independent Study: Planned Studies (1 to 4)
Students may register for independent study in areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Interested students should obtain the independent study application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of adviser; permission of department chairs and dean. 1-4 credits.
Distribution: LA,UND.

PLST 49910 - Independent Study: Planned Studies (1 to 4)
Students may register for independent study in non-liberal arts areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Interested students should obtain the independent study application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Completion of most of a major relevant to the work experience; permission of department chairs and dean. Variable credit.
Distribution: LA,UND.

PLST 49900 - Independent Study: Planned Studies (1 to 4)
Students may register for independent study in areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Interested students should obtain the independent study application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of adviser; permission of department chairs and dean. 1-4 credits.
Distribution: LA,UND.

PLST 49910 - Independent Study: Planned Studies (1 to 4)
Students may register for independent study in areas that have cross-disciplinary aspects or that are not available elsewhere in the College. Interested students should obtain the independent study application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of adviser; permission of department chairs and dean. 1-4 credits.
Distribution: LA,UND.
not available elsewhere in the College. Interested students should obtain the independent study application form and guidelines from the office of the dean and develop a project in consultation with a faculty sponsor. Offered on demand only. Prerequisites: Approval of adviser; permission of department chairs and dean. 1-4 credits.

Distribution: NLA,UND.

POLT - Politics

POLT 10100 - U.S. Politics (3)
Institutions, processes, and cultural roots of U.S. politics. Complex interrelationships among a highly specific set of political-economic institutions that have evolved to reflect the conditions of U.S. society: Congress, the presidency, bureaucracy, judiciary, parties, interest groups, media, and the electoral process. This course or its equivalent is required of all majors. 3 credits. (F,Y)

Distribution: 1,H,LA,SS.

POLT 10200 - Media and Politics (3)
The complex and subtle relationships between major political institutions and major communication media. Reporting of significant information about politics, both in the United States and in Europe, and efforts of governments to channel or control media; the American case of the Pentagon Papers and the French ORTF; and the Federal Communications Commission as a focal point in the continuing conflict between government and electronic media. 3 credits. (S,Y)

Distribution: LA,SS.

POLT 10300 - The United States and the World (3)
Aims to comprehend the roots, both mythological and ideological, of U.S. politics; to understand the relationship between American politics and U.S. foreign policy; and to examine specific aspects of foreign policy and relate them to the above aims. 3 credits. (F-S,Y)

Distribution: 1,LA,SS.

POLT 12200 - Politics and Society (3)
Analysis of political systems and their relationships with social and economic forces in the context of the U.S. political system, parliamentary democracies, one-party systems, and developing systems. Specific topics for study include the sociocultural base of politics, political change, leadership, and political participation. 3 credits. (F-S,Y)

Distribution: LA,SS.

POLT 12300 - Political Justice (3)
The definition and analysis of political trials in various cultural and historical contexts as an index of the modern state's expanding claims on individuals and groups. Different perspectives of defense, prosecution, and judgment; media impact; extrajudicial means of repression. 3 credits. (F,Y)

Distribution: 1,G,LA,SS.

POLT 12500 - Politics of Deviance (3)
Is the definition of mental health in a society politically determined? This course examines U.S. and Soviet data on psychiatric and legal means of dealing with nonconformists and dissenters. Readings cover Freudian theory, case studies, and critiques by Szasz, Ennis, and Torrey. 3 credits. (S,Y)

Distribution: 1,LA,SS.

POLT 12800 - Introduction to International Relations (3)
Introduces students to basic perspectives and events in world politics (international relations). Different theoretical positions (realism, nationalism, liberalism, transnationalism, globalism, Marxism, and feminism) and methodological approaches (case study, quantitative analysis, strategic modeling) are examined critically. The central purpose of the course is to provide the beginning student of international relations/world politics with the analytic tools necessary to understand contemporary events and to undertake advanced study in these areas. 3 credits. (F,Y)

Distribution: 1,G,LA,SS.

POLT 12900 - Introduction to Global Studies (3)
The connections between the industrialized nations of Europe, North America, and the Pacific (the "North") and the "third-world" nations of Africa, Asia, and Latin America (the "South"). From interdisciplinary and cross-cultural perspectives, the course examines a number of global issues -- that is, issues transcending national boundaries, such as food and famine; population; foreign aid, debt, and development; natural resources, energy, and the environment; and national security and militarism. National and international public policies relating to these issues are examined critically and policy alternatives are explored, as are individual responses and responsibilities. The course emphasizes geographic literacy and global awareness. Students may receive credit for only one of the following courses: POLT 12900, ANTH 12900, HPS 12900. 3 credits. (F-S,Y)

Distribution: 1,G,LA,SS.

POLT 14100 - Power: Race, Sex, and Class (3)
Distribution of power in the United States according to class, sex, and race. What power is, where it comes from, where it is located. Analysis of class, democracy, capitalism, and specific issues they raise for policy making, persons, the family, and corporate power. 3 credits. (S,Y)

Distribution: 1,G,LA,SS.
POLT 14200 - Ideas and Ideologies (3)
Exploration of the philosophical and ideological roots of political life and political inquiry. Concepts such as authority, legitimacy, freedom, and justice are studied, as well as the ideologies of liberation, conservatism, communism, nationalism, and democracy. Analysis of the intellectual wellsprings of modern social and political sciences. 3 credits. (F-S,Y)
Distribution: 1,G,H,LA,SS.

POLT 14300 - Understanding Capitalism (3)
Exploration of the role of class conflict in the making of contemporary political and social life. Application of theoretical and historical materials to assess capitalism’s complex relationship to such ideals as progress, freedom, equality, individuality, and justice. Understanding the personal, regional, national, and global scope of capitalism. 3 credits. (Y)
Distribution: 1,LA,SS.

POLT 14500 - Politics of Identity: Race, Ethnicity, Culture (3)
This course explores the impact of race on both individual identities and on the life opportunities afforded to different racial groups in the United States. It engages a wide range of topics, including the relationship between race and resources, the implications of racial diversity for national unity, the political and social effects of thinking in terms of white/black, self/other, similarity/difference, and the relationship between gender and attitudes toward race/racism. The primary aim of exploring these issues is to allow students to understand how identity and race are socially and politically constructed and to devise an anti-racist politics that cuts across racial and cultural differences. 3 credits. (F, Y)
Distribution: LA,SS.

POLT 23000 - The Holocaust (3)
This course surveys the Holocaust. Topics covered include the origins and development of anti-Semitism; the rise of Nazism; the response of European Jews to persecution before and during World War II; the evolution of Nazi policy from repression to genocide; the plight of refugees; the place of the Holocaust in the Nazi plan to create a new racial order in Europe; and the roles of bystanders and rescuers. Prerequisite: One course in the social sciences or humanities. 3 credits. (Y, F)
Distribution: 1,G,H,LA,SS.

POLT 29900 - Field Study: Politics (1 to 6)
Opportunity for students to explore and experience facets of political life through work experience and/or field research. Academic credit contingent on completion of study design with departmental faculty member. (Course may not be used to satisfy level-1 distribution requirements.) Prerequisites: POLT 10100; one other course in the social sciences; permission of instructor. 1-6 credits. (Y)
Distribution: NLA.

POLT 30100 - Legislative Behavior (3)
Analysis of legislative bodies, with an emphasis placed on the U.S. Congress. State and municipal legislatures, parliamentary legislatures, and other collegial bodies; legislative structures and roles, representation, and apportionment; executive-legislative relations; oversight and investigation; and legislative reform. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)
Distribution: LA,SS.

POLT 30300 - Constitutional Law: Civil Rights and Liberties (3)
An introduction to constitutional law as it develops in the context of the U.S. political process. Emphasis is placed on civil rights and liberties (freedom of speech, press, and thought; equal protection; rights of the accused; etc.). Court decisions in these areas are related to attitudes and behaviors in the political and social system. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (S,Y)
Distribution: 1,H,LA,SS.

POLT 30400 - U.S. Party Politics (3)
The role of political parties in the U.S. political system, with special attention to the myth and reality of two-party politics. Organization and leadership of parties; election process; campaign strategies and techniques; money and politics; media and politics. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)
Distribution: LA,SS.

POLT 30500 - Urban Politics (3)
Political forces operating within urban areas; older and larger urban areas and their problems in light of local, state, and national politics and policies. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)
Distribution: LA,SS.

POLT 30600 - U.S. Foreign Policy (3)
Political and bureaucratic processes central to the formulation of U.S. foreign policy. Readings on the policy-making process; the role of bureaucratic organizations in policy making; and the role of the president, Congress, and Departments of State and Defense. These topics are examined in the context of specific cases such as U.S.-Soviet relations, Sino-American relations, and the Vietnam War. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (F,Y)
Distribution: LA,SS.

POLT 30900 - Personality and Politics (3)
Linkages between political life and the development of individual personality. Problems of political thinking and consciousness are analyzed for individual citizens, small groups, and political leaders. Consideration of political biographies and public opinion materials. Prerequisites: Three courses in social sciences, or equivalent. 3 credits. (F,Y)

Distribution: LA,SS.

POLT 31000 - Supreme Court in U.S. Politics (3)
Summarizes, surveys, and analyzes Supreme Court decision making in terms of an explicit theoretical framework concerning the court's essential functions within the U.S. political system. Provides students with a nontechnical explanation of the activities of the Supreme Court -- what the court does, why it does what it does, and what effects the court's activities have had on U.S. society. Prerequisites: Three courses in social sciences, including U.S. politics, or equivalent. 3 credits. (Y)

Distribution: LA,SS.

POLT 31900 - Selected Topics in U.S. Politics (3)
Matters of special contemporary interest to students and faculty may be developed under this course heading. May be repeated for credit for selected topics on different subjects. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 32000 - Selected Topics in U.S. Politics (3)
Matters of special contemporary interest to students and faculty may be developed under this course heading. May be repeated for credit for selected topics on different subjects. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 32100 - Contemporary British Politics (3)
Introduction to the British political system. Functioning of governmental institutions, the class base of politics, political parties, elections, interest groups in policy process, and current issues confronting the British polity. Comparisons with U.S. political institutions and processes. Prerequisites: Three courses in social sciences or equivalent. Offered only through the London Center. 3 credits. (F-Y)

Distribution: LA,SS.

POLT 32200 - British Foreign Policy (3)
Examination of Britain's historical role in world affairs as a great power and imperialist state, and of the forces leading to decline. Emphasis also is placed on the British position in East-West relations, relations with Europe and the EC, the role of the Commonwealth today, the foreign policy-making processes, partisan differences among political parties, and current issues such as the nuclear arms debate and relations with South Africa. Prerequisites: Three courses in social sciences or equivalent. Offered only through the London Center. 3 credits. (F,Y)

Distribution: LA,SS.

POLT 32400 - Communist and Post-Communist Societies (3)
Primary focus on the transition from Communism to post-Communism during the late 1980s and early 1990s. Social, political, and economic causes of this transition mainly in the Soviet Union, Eastern Europe, and China are examined. Special attention is given to exploring and developing a general theoretical explanation for this unique historical process. Prerequisites: Three courses in social sciences. 3 credits. (F)

Distribution: LA,SS.

POLT 32500 - Chinese Politics (3)
Revolutionary change in modern China: historical survey of China from 1911 to 1949, with attention to development of the Chinese Communist party; rise of Mao Tse-tung and evolution of Maoist thought; and the People's Republic from 1949 to the present, with focus on political and social transformation of Chinese society. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (S,O)

Distribution: LA,SS.

POLT 32600 - Russian Politics (3)
The focus is on the new Russian state, from Boris Yeltsin onward, looking at the internal conflicts and external forces that shape the Russian experience, as well as continuities with the Soviet system. Considers the effect of Russian culture and nationalism on politics, looking in particular at the "Russian idea" of a uniquely Russian path of development superior to the Western experience. Draws on the Russian experience in order to cast light on questions such as what is democracy, what is the best way to democratize, what are the tensions between democracy and capitalism, and what is the difference between socialism and capitalism. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (F,Y)

Distribution: LA,SS.

POLT 32700 - The Politics of Development (3)
The struggle of third-world peoples to improve their economic position and political power in the international system. Special attention is given to problems of development in Latin America and Africa and to the role played by industrial societies in the development process. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (S,O)
POLT 32800 - International Conflict (3)
Study of nationalism, conflict among nations, the role of force and violence, cold wars and arms competitions, ideological conflicts, similarities and differences between national conflict and international conflict, and techniques of conflict resolution. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (F,Y)
Distribution: LA,SS.

POLT 32900 - Third World Politics (3)
Examines the impact of the emergence of a capitalist world economy on Asian, African, and Latin American societies with the objective of specifying both their common features and their particularities. The methodology is comparative and historical. Prerequisites: Three courses in social sciences. 3 credits. (S)
Distribution: LA,SS.

POLT 33000 - European Politics (3)
Focuses on changes and continuities in European identity and democracy, and other trends and issues that Europe is facing at the start of the 21st century. Looks at institutions and parties of major European states as well as of the European Union, and at the transition to liberal political and economic systems in Eastern Europe. Also considers issues of citizenship, immigration, racism, and nationalism in all parts of Europe. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (S,Y)
Distribution: LA,SS.

POLT 33100 - Latin American Politics (3)
Undertakes a comparative political analysis of nations in the region called Latin America -- Central and South America and the Caribbean. Includes a systemic analysis of intraregional relations, especially Latin America-U.S., and interregional relations between Latin America and Europe, Africa, Asia, and Russia. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (F,E)
Distribution: LA,SS.

POLT 33200 - Africa through Film: Images and Reality (3)
Challenges popular Western representations of the African continent through a study of representation and reality and interrogates the foundation of these constructs. Emphasizes the need for media literacy and exposure to counter-narratives in the study of African countries and explores African politics, historiographies, and contemporary issues through extensive readings and a comparative analysis of diverse films from Hollywood, radical African filmmakers, and popular African cinema. Materials include "Coming to America," "Flame," and "Lumumba." Students apply sociopolitical analysis to the subject matter, uncovering for instance, apartheid ideology behind the portrayal of Africans in the film "The Gods Must Be Crazy."
Prerequisites: Three courses in social sciences or permission of instructor. 3 credits. (F,Y)
Distribution: 1,G,H,LA,SS.

POLT 33300 - Understanding Islam (3)
This course aims to facilitate an understanding of Islam within two overlapping contexts: one is the political, historical, and ideological encounter between Islam and the West that has shaped Western attitudes toward the religion. The other is how Muslims experience Islam as both a system of beliefs about the divine (religion and theology) and as lived reality (history and politics). Topics range from scriptural conceptions of God, human creation, sex and gender relationships, and war and violence to mysticism, from the encounters of early medieval Europeans with Islam to post 9/11 debates on Islam and terrorism. Prerequisites: Three courses in the social sciences. 3 credits. (S,Y)
Distribution: LA,SS.

POLT 33400 - Politics of Rights and Culture (3)
Investigates controversial issues, including philosophical and legal debates that emphasize the lack of whether human rights are truly universal. Explores the contradictory ways in which religious, social, and cultural forces, gender and class struggles, and structural global inequalities generate diverse concepts of moral rights, justice, freedoms, and protections. Uses case studies and critical questions such as that posed by Mahmood Mamdani: "Can a culture of individual rights coexist with the right of every individual to practice one's culture?" Provides comparative studies of the United States, Latin America, Asia, and the Middle East but focuses primarily on African countries and their contributions to human rights discourses and practice. Prerequisites: Three courses in the social sciences. 3 credits. (S,O)
Distribution: LA,SS.

POLT 33500 - Crossing Borders/Global Migration (3)
The movement of people across borders -- as refugees and as workers -- is a central political issue throughout the world, at times even becoming the focus of violence. The course focuses on the causes of these movements, as well as on questions migration raises about the meaning of borders and the link between identity, culture, and politics. This course uses a range of texts -- journalistic accounts, academic writings, fiction, films, and the words of migrants themselves. We examine migrations at the global level, including the United States, as well as at the local level, including migrant workers in western New York. Prerequisites: Three courses in social sciences. 3 credits. (O)
Distribution: LA,SS.

POLT 33600 - Whiteness and Multiculturalism (3)
This course interrogates the concept of whiteness and relates it to conceptualizations of multiculturalism, tackling these issues at both theoretical and empirical levels, drawing on cases from the United States as well as from other societies. The goal of the course is to foreground the category "white" and to recognize the meanings of this category, the effect it has on white and non-white individuals, and the direct relationship of whiteness to power. It also seeks to bring about a critical rethinking of the concept of multiculturalism by linking the study of whiteness to policies of multiculturalism. Prerequisite: Three courses in social sciences or equivalent. 3 credits. (E)

Distribution: LA,SS.

POLT 33700 - Politics of Memory (3)

Exploration of the political and social dilemmas surrounding concepts such as collective memory, truth, justice, confession, forgiveness, healing, and reconciliation in sociopolitical spaces. How, for instance, will the political suppression or mobilization of memory vie for space with efforts to address the systematization of unconscionable crimes against humanity and create a just peace? What lessons do the experiences of South Africa, the United States, Chile, and Rwanda offer other polarized societies? Students engage memory theory and the narratives of victims and perpetrators in examining Czech writer Milan Kundera's suggestion that "the struggle of man against power is the struggle of memory against forgetting." Prerequisites: Three courses in the social sciences. 3 credits. (IRR)

Distribution: LA,SS.

POLT 33900 - Political Economy of the Middle East (3)

Analyzes the political economy of the Middle East from a historical and theoretical perspective. Explains the nature of socioeconomic change through analysis of the relationships among state, class, and economic development. Topics include the nature and role of the economy and the state, the processes of class formation, the role of women, the Arab-Israeli conflict, and U.S. interests in the region. Prerequisites: POLT 12800 or POLT 12900; two additional courses in social sciences. 3 credits. (F)

Distribution: LA,SS.

POLT 34000 - 34099 - Selected Topics in Comparative-International Studies (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 34001 - Selected Topics in Comparative-International Studies (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 34002 - Selected Topics in Comparative-International Studies (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 34003 - Selected Topics in Comparative-International Studies (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 34004 - Selected Topics in Comparative-International Studies (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.
POLT 34005 - Selected Topics in Comparative-International Studies (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 34006 - Selected Topics in Comparative-International Studies (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 34007 - Selected Topics in Comparative-International Studies (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 34050 - Selected Topics: Politics in East Asia (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.

POLT 34051 - Selected Topics: European Union (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This arrangement permits departmental offerings to be responsive to evolving faculty and student interests. As a rule, a course is offered once under this heading; it is then added to our regular offerings or discontinued. This course may be repeated for credit when topics change. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA,SS.
POLT 34200 - Liberalism and Marxism (3)
Treats several important political ideas and questions from a feminist, as well as a Marxist, perspective through historical political theory. The first part of the course addresses the division of labor in society and its relationship to private property and alienable labor; the second deals with the treatment of the sexual division of labor. Some of the key issues are conceptions of human nature: What is natural or innate? What is social? What necessitates government? The course also looks at issues of reform or revolution. In essence, students examine classical liberalism as the ideology supporting the capitalist system. Primary readings from historical theorists (Locke, Hobbes, Rousseau, Mill, Marx, Goldman, and Luxemburg). Prerequisites: Three courses in social sciences or equivalent. 3 credits. (F,Y)
Distribution: LA,SS.

POLT 34300 - Feminist Theory (3)
Discussion of theories of women's oppression, historical and contemporary. In this sense it is a study of feminist ideology as it has been developed by Mary Wollstonecraft, the early American feminists, Emma Goldman, J. S. Mill, socialist literature, and radical feminism. Key questions to be discussed throughout are the issues of the sexual division of labor; the acceptance or rejection of the issues of the sexual division of labor; and the acceptance or rejection of the connection between sexual and class oppression. We will be trying to develop a synthesis of much of the literature in order to assess and compare the contemporary women's movement with historical forms of women's struggle. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)
Distribution: LA,SS.

POLT 34400 - Contemporary British Political Theory (3)
Particular emphasis is placed on the controversy concerning the responsibility of the state for economic and social equality. Attention is given to the concepts of freedom and equality and the ideas of market system liberalism, social democracy, socialism, Marxism, conservatism, and neoconservatism. Prerequisites: Three courses in social sciences or equivalent. Offered only through the London Center. 3 credits. (S,Y)
Distribution: LA,SS.

POLT 35000 - Selected Topics in Political Theory (3)
Matters of special contemporary interest to students and faculty may be developed under this course heading. May be repeated for credit when topics vary. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)
Distribution: LA,SS.

POLT 36200 - Theory and Politics of Public Policy (3)
Selected public policy issues; development, formulation, execution, and evaluation. Theories of the policy-making process, such as rationalism, incrementalism, and systems analysis, with a view toward understanding their analytical and explanatory power. Prerequisites: ECON 12100; two additional courses in social sciences or equivalent. 3 credits. (F,Y)
Distribution: LA,SS.

POLT 36300 - Politics of Equality (3)
Examines equality and inequality from a variety of perspectives, including philosophical, socioeconomic, and public policy analysis, as well as problems entailed in defining and justifying equality as a political and socioeconomic goal. Explores interpretations of the human consequences of inequality. Analyzes equality as a political problem in capitalist and socialist societies. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (S,Y)
Distribution: LA,SS.

POLT 36400 - Law and Public Policy (3)
Gives a sense of the important place of public law in the policy-making process and examines how legal education shapes legal thinking. Considers the role of courts in forming policies related to housing, school desegregation, mental health care, prison reform, AIDS, and the environment. Contract theory is analyzed as it relates to issues like surrogate motherhood. Covers selected criminal law issues, such as those related to rape. Students evaluate the strengths and limitations of using legal approaches to the formulation of policy options. Prerequisites: Two politics courses; one course in sociology, history, philosophy, economics, or introduction to law. 3 credits. (S,Y)
Distribution: LA,SS.

POLT 36500 - The Politics of Health (3)
Introduction to issues in health policy as they relate to the general organization of political life in the United States. Methods for the allocation of scarce medical resources, such as markets, political devices, and lotteries, are analyzed and compared. AIDS is examined as a major public health problem. We consider genetic and procreative issues, including the politics of in vitro fertilization, surrogate motherhood contracts, abortion, and genetic engineering. Prerequisites: Two politics courses; one course in sociology, history, philosophy, or economics. 3 credits. (F,Y)
Distribution: LA,SS.

POLT 36600 - Environmental Politics (3)
Examines environmental protection (and destruction) from numerous political perspectives and in relation to various political ideologies. Looks at policy-making aspects of
environmental protection. Traces the development of national and international environmental movements. Considers environmental issues in terms of race, gender, and class politics. Prerequisites: Three courses in the social sciences or equivalent. 3 credits. (Y)

Distribution: LA, SS.

POLT 37000 - Selected Topics in Public Policy (3)

Matters of special contemporary interest to students and faculty may be developed under this course heading. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Three courses in social sciences or equivalent. 3 credits. (IRR)

Distribution: LA, SS.

POLT 40100 - Comparative and International Studies (1 to 4)

Small group settings designed to permit intensive examination of selected topics not provided elsewhere in the curriculum. Seminar topics change from year to year. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Junior/senior standing; three courses in the social sciences, of which at least one must be in POLT; or permission of instructor. 1-4 credits. (F-S, Y)

Distribution: LA, SS.

POLT 40101 - Seminar: Comparative and International Studies (3)

Small group settings designed to permit intensive examination of selected topics not provided elsewhere in the curriculum. Seminar topics change from year to year. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Junior/senior standing; three courses in the social sciences, of which at least one must be in POLT; or permission of instructor. 1-4 credits. (F-S, Y)

Distribution: LA, SS.

POLT 40102 - Seminar: Comparative and International Studies (3)

Small group settings designed to permit intensive examination of selected topics not provided elsewhere in the curriculum. Seminar topics change from year to year. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Junior/senior standing; three courses in the social sciences, of which at least one must be in POLT; or permission of instructor. 1-4 credits. (F-S, Y)

Distribution: LA, SS.

POLT 40103 - Seminar: Comparative and International Studies (3)

Small group settings designed to permit intensive examination of selected topics not provided elsewhere in the curriculum. Seminar topics change from year to year. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Junior/senior standing; three courses in the social sciences, of which at least one must be in POLT; or permission of instructor. 1-4 credits. (F-S, Y)

Distribution: LA, SS.

POLT 40104 - Seminar: Comparative and International Studies (1 to 4)

Small group settings designed to permit intensive examination of selected topics not provided elsewhere in the curriculum. Seminar topics change from year to year. This course may be repeated for credit for selected topics on different subjects. Prerequisites: Junior/senior standing; three courses in the social sciences, of which at least one must be in POLT; or permission of instructor. 1-4 credits. (F-S, Y)

Distribution: LA, SS.
three courses in the social sciences, of which at least one
must be in POLT; or permission of instructor. 1-4 credits.
(F-S,Y)
Distribution: LA,SS.
POLT 40500 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of
governmental and nongovernmental work experiences.
Students are expected to perform full-time work for
academic credit and to submit, as part of their course
obligations, a thorough written evaluative report based on
their experiences. Internships may be taken at national,
state, and local levels, and in London under the auspices of
the Ithaca College London Center. Prerequisites: Three
courses in social sciences or equivalent; permission of
instructor. See information on internships, above. Variable
credit (1-12). (F-S,Y)
Distribution: NLA.
POLT 40501 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of
governmental and nongovernmental work experiences.
Students are expected to perform full-time work for
academic credit and to submit, as part of their course
obligations, a thorough written evaluative report based on
their experiences. Internships may be taken at national,
state, and local levels, and in London under the auspices of
the Ithaca College London Center. Prerequisites: Three
courses in social sciences or equivalent; permission of
instructor. See information on internships, above. Variable
credit (1-12). (F-S,Y)
Distribution: NLA.
POLT 40502 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of
governmental and nongovernmental work experiences.
Students are expected to perform full-time work for
academic credit and to submit, as part of their course
obligations, a thorough written evaluative report based on
their experiences. Internships may be taken at national,
state, and local levels, and in London under the auspices of
the Ithaca College London Center. Prerequisites: Three
courses in social sciences or equivalent; permission of
instructor. See information on internships, above. Variable
credit (1-12). (F-S,Y)
Distribution: NLA.
POLT 40503 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of
governmental and nongovernmental work experiences.
Students are expected to perform full-time work for
academic credit and to submit, as part of their course
obligations, a thorough written evaluative report based on
their experiences. Internships may be taken at national,
state, and local levels, and in London under the auspices of
the Ithaca College London Center. Prerequisites: Three
courses in social sciences or equivalent; permission of
instructor. See information on internships, above. Variable
credit (1-12). (F-S,Y)
Distribution: NLA.
POLT 40504 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of
governmental and nongovernmental work experiences.
Students are expected to perform full-time work for
academic credit and to submit, as part of their course
obligations, a thorough written evaluative report based on
their experiences. Internships may be taken at national,
state, and local levels, and in London under the auspices of
the Ithaca College London Center. Prerequisites: Three
courses in social sciences or equivalent; permission of
instructor. See information on internships, above. Variable
credit (1-12). (F-S,Y)
Distribution: NLA.
POLT 40505 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of
governmental and nongovernmental work experiences.
Students are expected to perform full-time work for
academic credit and to submit, as part of their course
obligations, a thorough written evaluative report based on
their experiences. Internships may be taken at national,
state, and local levels, and in London under the auspices of
the Ithaca College London Center. Prerequisites: Three
courses in social sciences or equivalent; permission of
instructor. See information on internships, above. Variable
credit (1-12). (F-S,Y)
Distribution: NLA.
POLT 40506 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of
governmental and nongovernmental work experiences.
Students are expected to perform full-time work for
academic credit and to submit, as part of their course
obligations, a thorough written evaluative report based on
their experiences. Internships may be taken at national,
state, and local levels, and in London under the auspices of
the Ithaca College London Center. Prerequisites: Three
courses in social sciences or equivalent; permission of
instructor. See information on internships, above. Variable
credit (1-12). (F-S,Y)
Distribution: NLA.
POLT 40507 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of
governmental and nongovernmental work experiences.
Students are expected to perform full-time work for
academic credit and to submit, as part of their course
obligations, a thorough written evaluative report based on
their experiences. Internships may be taken at national,
Students are expected to perform full governmental and nongovernmental work experiences. Internships may be taken at national, state, and local levels, and in London under the auspices of the Ithaca College London Center. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. See information on internships, above. Variable credit (1-12). (F-S,Y)

Distribution: NLA.

POLT 40508 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of governmental and nongovernmental work experiences. Students are expected to perform full-time work for academic credit and to submit, as part of their course obligations, a thorough written evaluative report based on their experiences. Internships may be taken at national, state, and local levels, and in London under the auspices of the Ithaca College London Center. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. See information on internships, above. Variable credit (1-12). (F-S,Y)

Distribution: NLA.

POLT 40509 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of governmental and nongovernmental work experiences. Students are expected to perform full-time work for academic credit and to submit, as part of their course obligations, a thorough written evaluative report based on their experiences. Internships may be taken at national, state, and local levels, and in London under the auspices of the Ithaca College London Center. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. See information on internships, above. Variable credit (1-12). (F-S,Y)

Distribution: NLA.

POLT 40510 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of governmental and nongovernmental work experiences. Students are expected to perform full-time work for academic credit and to submit, as part of their course obligations, a thorough written evaluative report based on their experiences. Internships may be taken at national, state, and local levels, and in London under the auspices of the Ithaca College London Center. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. See information on internships, above. Variable credit (1-12). (F-S,Y)

Distribution: NLA.

POLT 40550 - Internship: Politics (1 to 12)
Permits students to explore politics through a variety of governmental and nongovernmental work experiences. Students are expected to perform full-time work for academic credit and to submit, as part of their course obligations, a thorough written evaluative report based on their experiences. Internships may be taken at national, state, and local levels, and in London under the auspices of the Ithaca College London Center. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. See information on internships, above. Variable credit (1-12). (F-S,Y)

Distribution: NLA.
development and execution of a research project on a specific topic. Reading or research is undertaken under faculty direction. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. Variable credit (1-5). (F-S,Y)
Distribution: LA,SS.

POLT 49904 - Directed Study: Politics (1 to 5)
The program of study may be a reading program of materials of special interest to the student, or involve development and execution of a research project on a specific topic. Reading or research is undertaken under faculty direction. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. Variable credit (1-5). (F-S,Y)
Distribution: LA,SS.

POLT 49905 - Directed Study: Politics (1 to 5)
The program of study may be a reading program of materials of special interest to the student, or involve development and execution of a research project on a specific topic. Reading or research is undertaken under faculty direction. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. Variable credit (1-5). (F-S,Y)
Distribution: LA,SS.

POLT 49906 - Directed Study: Politics (1 to 5)
The program of study may be a reading program of materials of special interest to the student, or involve development and execution of a research project on a specific topic. Reading or research is undertaken under faculty direction. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. Variable credit (1-5). (F-S,Y)
Distribution: LA,SS.

POLT 49907 - Directed Study: Politics (1 to 5)
The program of study may be a reading program of materials of special interest to the student, or involve development and execution of a research project on a specific topic. Reading or research is undertaken under faculty direction. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. Variable credit (1-5). (F-S,Y)
Distribution: LA,SS.

POLT 49908 - Directed Study: Politics (1 to 5)
POLT 49909 - Directed Study: Politics (1 to 5)
The program of study may be a reading program of materials of special interest to the student, or involve development and execution of a research project on a specific topic. Reading or research is undertaken under faculty direction. Prerequisites: Three courses in social sciences or equivalent; permission of instructor. Variable credit (1-5). (F-S,Y)
Distribution: LA,SS.

PSYC - Psychology
PSYC 10000 - The Psychology of Adjustment (3)
Introduction to the psychology of human behavior; intended for non-psychology majors who want a broad overview of those aspects of psychology most relevant to problems of living. 3 credits. (F-S,Y)
Distribution: 1,LA,SS.

PSYC 10200 - Orientation to Psychology (1)
Acquaints students with career opportunities available to psychology majors, assists in exploration of individual career goals, and aids students in planning experiences and courses to match their goals. Open to psychology/applied psychology majors only. 1 credit. (F,Y)
Distribution: NLA,.

PSYC 10300 - General Psychology (3)
Introduction to the study of behavior, focusing on the influences of physiological, cognitive, social, and
personality factors on behavior, including discussion of the major theories in psychology and related research. 3 credits. (F-S,Y)

PSYC 11300 - Introduction to Research in Psychology (2)
Primarily for majors and minors in psychology. Designed to complement PSYC 10300. Students are introduced to a variety of research techniques in psychology and learn how to collect and analyze data and how to write research reports. One hour of lecture and two hours of laboratory work are required each week. Prerequisites: Math group 1, 2, or 3. Prior or concurrent enrollment in PSYC 10300. 2 credits. (F-S,Y)

Distribution: LA.

PSYC 15300 - Selected Topics: Psychology (1 to 3)
Courses offered on various topics chosen by faculty members or resulting from students' requests. This course may be repeated for credit when topics vary. Prerequisites appropriate to the course level will be announced when course descriptions are distributed. Offered on demand only. 1-3 credits.

Distribution: LA,NS.

PSYC 20100 - Proseminar in Development (3)
An examination of the role of biological, experiential, and societal factors in the development of perceptual, cognitive, and interpersonal processes, with an emphasis placed on major developmental theories and methods of study. For majors; nonmajors need consent of instructor. Prerequisites: PSYC 11300. 3 credits. (F-S,Y)

Distribution: LA,UND.

PSYC 20200 - Proseminar in Motivation (3)
Examination of the biological, cognitive, and social aspects of psychological motivation. Covers principal theories of motivation, research methods and findings, as well as applied issues. Prerequisites: PSYC 11300. 3 credits. (F-S,Y)

Distribution: 1,LA,UND.

PSYC 20500 - Life-Span Development: A Cross-Cultural Perspective (3)
An examination of theory and research within the field of developmental psychology, with attention paid to similarities and differences in development across cultures. This course emphasizes the role of the social and cultural context on development by examining cross-cultural and multicultural research, issues, and findings. Prerequisites: PSYC 10300. 3 credits. (Y)

Distribution: 1,G,LA,SS.

PSYC 20700 - Statistics in Psychology (4)
Introduction to the computation and interpretation of the basic descriptive and inferential statistics used in the behavioral sciences. Emphasis is placed on analyzing data using statistical software (SPSS). Prerequisites: Math group 1, 2, or 3; PSYC 10300, PSYC 10400, or PSYC 11300. 4 credits. (F-S,Y)

Distribution: 2B,LA,NS.

PSYC 21010 - Educational Psychology (3)
Study of human development from infancy through adolescence, including cognitive and behavioral approaches to learning in the context of school and other instructional situations. Attention given to the empirical (scientific) attitude in relating theory and practice in various educational settings. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)

Distribution: LA,SS,TE.

PSYC 21700 - Mental Health in Historical and Social Contexts (3)
Explores the historical and contemporary contexts of mental health and distress from both sociological and psychological perspectives. Examination of the social construction of mental health through time, and consideration of how social and cultural factors such as race, class, and gender intersect with diagnostic paradigms and clinical treatment models employed by practitioners. Cross listed as SOCI 21700. Students may not receive credit for PSYC 21700 and SOCI 21700. Prerequisite: SOCI 10100 or PSYC 10300. 3 credits. (F,Y)

Distribution: LA,SS.

PSYC 24100 - Family Dynamics and Therapy (3)
Introduction to systems theory and an examination of the varied dynamics of the American family. Students will be introduced to theories of normal and disturbed family functioning and the use of systems theory to produce positive change. Special emphasis is placed on tracing disturbed patterns of functioning from one generation to the next. Prerequisites: Sophomore standing and PSYC 10300. 3 credits. (F-S,Y)

Distribution: 1,LA,SS.

PSYC 25300 - Selected Topics: Psychology (1 to 3)
Courses offered on various topics chosen by faculty members or resulting from students' requests. This course may be repeated for credit when topics vary. Prerequisites appropriate to the course level will be announced when course descriptions are distributed. Offered on demand only. 1-3 credits.

Distribution: LA.

PSYC 26100 - Psychology of Women (3)

In-depth examination of the psychology of women in contemporary society. Review of the research on gender differences and consideration of the theories (social learning, psychoanalytic, and biological) that have attempted to explain the differences. Focuses on some of the central experiences of women's lives (including relationships, work, mothering, sexuality, and mental health), with particular attention to the ways in which women's psychological development differs from that of men's in a patriarchal society. Prerequisites: PSYC 10300 or PSYC 10400; sophomore standing. 3 credits. (F,Y)

Distribution: LA,SS.

PSYC 30200-30299 - First Semester Research Team (2)

The first of three semesters of participation in programmatic research by teams of students under the direction of one or more faculty members. Prerequisites: PSYC 30800 (may be taken concurrently); permission of instructor. 2 credits. (F-S,Y)

Distribution: LA,UND.

PSYC 30300-30399 - Second Semester Research Team (2)

The second of three semesters of participation in programmatic research by teams of students under the direction of one or more faculty members. Prerequisites: PSYC 30200-30299. 2 credits. (F-S,Y)

Distribution: LA,UND.

PSYC 30400-30499 - Third Semester Research Team (2)

The third of three semesters of participation in programmatic research by teams of students under the direction of one or more faculty members. In consultation with the supervising faculty member this course may be repeated for up to 4 credits. Prerequisites: PSYC 30300-30399. 2 credits. (F-S,Y)

Distribution: LA,UND.

PSYC 30800 - Research Methods in Psychology (3)

Analysis of methodological designs used in psychological research and application of statistical methods for behavioral sciences, with special emphasis placed on the experimental method. Students should be able to use SPSS on the computer. Prerequisites: PSYC 11300; PSYC 20700. 3 credits. (F-S,Y)

Distribution: LA,UND.

PSYC 30900 - Methods of Testing and Assessment (3)

Behavioral measurement in the context of psychometrics, presented with examples and demonstrations from the areas of "intelligence," aptitude, achievement, interest, and personality assessment. The ethical and technical challenges of test selection, administration, and interpretation are discussed. Prerequisites: PSYC 11300; PSYC 20700. 3 credits. (F-S,Y)

Distribution: LA,UND.

PSYC 31001 - Advanced Psychology Lab in Social Psychology (1)

An advanced laboratory course in which students will conduct one or more investigations in psychological topic areas that will vary by semester. This course will emphasize ethics, knowledge of research design, statistical analysis, becoming familiar with research relevant to the investigation(s), and working collaboratively. In addition, students will learn how to read scientific papers and write laboratory reports organized in APA style. No more than two advanced psychology laboratories may be taken for credit. Prerequisite: PSYC 11300; PSYC 20700; permission of instructor. (IRR)

Distribution: LA.

PSYC 31002 - Advanced Psychology Laboratory in Cognitive Psychology (1)

An advanced laboratory course in which students will conduct one or more investigations in psychological topic areas that will vary by semester. This course will emphasize ethics, knowledge of research design, statistical analysis, becoming familiar with research relevant to the investigation(s), and working collaboratively. In addition, students will learn how to read scientific papers and write laboratory reports organized in APA style. No more than two advanced psychology laboratories may be taken for credit. Prerequisite: PSYC 11300; PSYC 20700; permission of instructor. (IRR)

Distribution: LA.

PSYC 31003 - Advanced Psychology Laboratory in Developmental Psychology (1)

An advanced laboratory course in which students will conduct one or more investigations in psychological topic areas that will vary by semester. This course will emphasize ethics, knowledge of research design, statistical analysis, becoming familiar with research relevant to the investigation(s), and working collaboratively. In addition, students will learn how to read scientific papers and write laboratory reports organized in APA style. No more than two advanced psychology laboratories may be taken for credit. Prerequisite: PSYC 11300; PSYC 20700; permission of instructor. (IRR)
PSYC 31004 - Advanced Psychology Laboratory in Biological Psychology (1)

An advanced laboratory course in which students will conduct one or more investigations in psychological topic areas that will vary by semester. This course will emphasize ethics, knowledge of research design, statistical analysis, becoming familiar with research relevant to the investigation(s), and working collaboratively. In addition, students will learn how to read scientific papers and write laboratory reports organized in APA style. No more than two advanced psychology laboratories may be taken for credit. Prerequisite: PSYC 11300; PSYC 20700; permission of instructor. (IRR)

Distribution: LA.

PSYC 31005 - Advanced Psychology Laboratory in Clinical Psychology (1)

An advanced laboratory course in which students will conduct one or more investigations in psychological topic areas that will vary by semester. This course will emphasize ethics, knowledge of research design, statistical analysis, becoming familiar with research relevant to the investigation(s), and working collaboratively. In addition, students will learn how to read scientific papers and write laboratory reports organized in APA style. No more than two advanced psychology laboratories may be taken for credit. Prerequisite: PSYC 11300; PSYC 20700; permission of instructor. (IRR)

Distribution: LA.

PSYC 31006 - Advanced Psychology Laboratory in Applied Psychology (1)

An advanced laboratory course in which students will conduct one or more investigations in psychological topic areas that will vary by semester. This course will emphasize ethics, knowledge of research design, statistical analysis, becoming familiar with research relevant to the investigation(s), and working collaboratively. In addition, students will learn how to read scientific papers and write laboratory reports organized in APA style. No more than two advanced psychology laboratories may be taken for credit. Prerequisite: PSYC 11300; PSYC 20700; permission of instructor. (IRR)

Distribution: LA.

PSYC 31100 - Behavioral Neuroscience (3)

Study of the anatomical structures and biochemical and physiological processes that affect and mediate the emotional, psychological, and behavioral states of the organism. Prerequisites: One of the following: PSYC 20100, PSYC 20200, PSYC 20500, PSYC 20700, BIOL 20300, BIOL 20600, PHYS 21700, PHYS 21800, PHYS 21800 or SLPA 21200. 3 credits. (F-S,Y)

Distribution: 2A, LA, NS.

PSYC 31200 - Behavioral Neuroscience Lab (1)

Designed to complement PSYC 31100. Students take part in demonstrations and hands-on work with the variety of techniques necessary to understand behavioral neuroscience, including surgery, anatomy, histology, and electrical stimulation and recording. Prerequisites: PSYC 31100 (may be taken concurrently). 1 credit. (F-S,Y)

Distribution: LA, NS.

PSYC 31600 - Social Psychology (3)

Study of the psychological determinants of social behavior and interpersonal processes, as well as the social determinants of the development of self-concept, beliefs, and attitudes. Prerequisites: PSYC 20100, PSYC 20200, PSYC 20500 or PSYC 20700. 3 credits. (F-S,Y)

Distribution: 1, LA, SS.

PSYC 32000 - Personality (3)

This course presents an overview and encourages critical analysis of the major perspectives (e.g., trait, biological, cross-cultural, psychodynamic, cognitive), scientific issues, applications, and research findings in the area of personality. Prerequisites: PSYC 20100, PSYC 20200, PSYC 20500 or PSYC 20700. 3 credits. (F-Y)

Distribution: LA, SS.

PSYC 32100 - Abnormal Psychology (3)

Introduction to dynamics of abnormal behavior with special emphasis on the etiology, diagnosis, treatment and evaluation of interventions for psychiatric diagnoses and common forms of psychological distress. Prerequisites: PSYC 20100, PSYC 20200, PSYC 20500, PSYC 20700, PSYC 21700, SOCI 21700, OTBS 20100 or OTBS 20200; or PSYC 10400 and RLS 24300. 3 credits. (F-S,Y)

Distribution: LA, SS.

PSYC 33000 - Cognition (3)

Topics in cognitive psychology, including perception, attention, memory, language, problem solving, decision making, and reasoning. Developmental changes, individual differences in cognitive skills, and applications of cognitive research to fields such as law, education, and business are considered. Prerequisites: PSYC 20100, PSYC 20200, PSYC 20500, PSYC 20700, BIOL 20300, BIOL 20600, PHYS 21700, or PHYS 21800. 3 credits. (F-S,Y)

Distribution: 2A, LA, NS.

PSYC 33400 - Industrial and Organizational Psychology (3)

Overview of the application of psychology to the behavior of people in workplace settings. Topics include personnel psychology, organizational behavior, workplace design, and consumer psychology. Prerequisites: PSYC 20100,
PSYC 20200, PSYC 20500, PSYC 20700, MGMT 20600, or STCM 21000. 3 credits. (S,O)
Distribution: LA,SS.

PSYC 34100 - Forms of Therapy (3)
Introduction to modalities of individual psychotherapy, including cognitive-behavioral, humanistic, and psychodynamic. Goals include achieving an understanding of therapeutic modalities as well as an appreciation of issues related to pharmacological treatments and methods of evaluating the outcome of treatment interventions. Prerequisite: PSYC3 2100. 3 credits. (S,Y)
Distribution: LA,SS.

PSYC 35100 - Independent Supervised Study (1 to 5)
In-depth study of topic of interest in psychology, chosen in consultation with supervising instructor. A student may undertake more than one independent study. Offered on demand only. Prerequisites: Consent of instructor. Variable credit (commensurate with the complexity of the study). (IRR)
Distribution: LA,UND.

PSYC 35200 - Independent Supervised Research (1 to 5)
Students conduct empirical research on a topic selected in consultation with the instructor. Students may undertake more than one independent supervised research project. Offered on demand only. Prerequisites: Consent of instructor. Variable credit (commensurate with the complexity of the project). (IRR)
Distribution: LA,UND.

PSYC 35300 - Selected Topics: Psychology (1 to 3)
Courses offered on various topics chosen by faculty members or resulting from students' requests. This course may be repeated for credit when topics vary. Prerequisites appropriate to the course level will be announced when course descriptions are distributed. Offered on demand only. 1-3 credits.
Distribution: LA.

PSYC 35400 - Psychology Laboratory Techniques (1)
A training course for students who have been selected as lab assistants for the General Psychology Laboratory course. The course is designed to provide students with skills in operating lab equipment, leading group discussion, and scoring lab reports. Prerequisites: PSYC 11300; PSYC 20700; consent of instructor. 1 credit. (F-S,Y)
Distribution: NLA,UND.

PSYC 36500 - Development in Adolescence (3)
Examination of psychological development from pubescence through the transition to adulthood. Attention is given to cognitive, personality, and social development.
Special topics include the issues of sexuality, delinquency, emotional disturbance, and education. The focus is on adolescence in the United States, but cross-cultural perspectives are included. Prerequisites: Completion of three social science courses, including PSYC 10300, PSYC 10400, PSYC 20100, or PSYC 20200; junior standing. 3 credits. (S,O)
Distribution: 1,LA,SS.

PSYC 36600 - Psychology of Aging (3)
Examination of the biological, societal, and individual factors that influence the age-related changes in perceptual, cognitive, and social-personality processes in the middle and later years of life, with an emphasis placed on major developmental theories and methods of study. Prerequisites: PSYC 10400, PSYC 20100, PSYC 20500, OTBS 20100 or OTBS 20200. 3 credits. (F)
Distribution: 1,LA,SS.

PSYC 40800 - Special Problems in Abnormal Psychology (3)
Study of the etiology and symptomatology of neurotic and psychotic behavior and other forms of personality disorder. Prerequisites: PSYC 32100; junior standing. 3 credits. (IRR)
Distribution: LA,SS.

PSYC 42000 - Professional Seminar in Human Services (1)
An opportunity for students enrolled in internships in human services agencies to analyze and discuss individual and general problems related to their experiences. Weekly seminar meetings focus on integration of internship experiences with issues in the human services field, including structure of mental health delivery and patient-practitioner interaction. May be repeated three times for a total of 3 credits. Corequisites: PSYC 45000. Prerequisites: Permission of instructor and three of the following courses: PSYC 10300, PSYC 20100, PSYC 20200, PSYC 21010, PSYC 21700, SOCI 21700, PSYC 24100, PSYC 32100, PSYC 34100. Psychology and applied psychology majors, psychology minors, and counseling minors only. 1 credit. (F-S,Y)
Distribution: NLA.

PSYC 45000 - Internship in Psychology (1 to 12)
Provides students the opportunity to apply psychology under the supervision of the sponsoring agency and a psychology faculty member. Internships are arranged individually. Students must complete the HS internship application process. May be repeated for up to 12 credits. Prerequisites: Junior standing, permission of instructor. 1-12 credits. (F-S,Y)
Distribution: NLA,UND.
PSYC 45100 - Advanced Independent Supervised Study (1 to 5)

Intensive study of an individually selected topic in psychology, including honors studies (generally following PSYC 35100). Offered on demand only. Prerequisites: Senior standing; consent of the department. Variable credit. Distribution: LA,UND.

PSYC 45200 - Advanced Independent Supervised Research (1 to 5)

Intensive empirical research, including honors research (generally following PSYC 35200). Offered on demand only. Prerequisites: Senior standing; consent of the department. Variable credit. Distribution: LA,UND.

PSYC 47000 - History of Psychology (3)

Investigates the development of theories of psychology and the nature of their research paradigms. Examines the antecedents of psychology in philosophy, the natural sciences, and medicine. Prerequisites: One level-3 psychology course and junior standing. 3 credits. (S,E) Distribution: 1,H,HU,LA.

PSYC 49200-49299 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA,UND.

PSYC 49201 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49202 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49203 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49204 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49205 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49206 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49207 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49208 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49209 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49210 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PSYC 49250 - Seminar in Neuroscience (3)

Intensive investigation of selected topics in neuroscience intended primarily for neuroscience minors. Cross-listed with BIOL 49250. Students cannot receive credit for BIOL 49250 and PSYC 49250. Prerequisites: Senior standing; permission of instructor. 3 credits. (S,Y) Distribution: LA.

PSYC 49301 - Senior Seminar in Psychology (3)

Intensive investigation of selected topics in psychology. Prerequisites: Senior standing; permission of instructor. 3 credits. (F-S,Y) Distribution: LA.

PTBS - Physical Therapy-Undergrad

PTBS 10200 - Introduction to the Profession of Physical Therapy (0.5)

Orientation to the responsibilities and activities of physical therapists, the practice environments, representative professional association, and related professional literature. Experiential activities are included to enhance learning. 0.5 credits. (F or S,Y) Distribution: NLA.
PTBS 20100 - Introduction to the Practice of Physical Therapy (0.5)
Orientation to the practice of physical therapy, including musculoskeletal, neuromuscular, cardiovascular and pulmonary, integumentary, pediatric, and older adults. Prerequisites: PTBS 10200. 0.5 credits. (F or S, Y)
Distribution: LA.

PTBS 20200 - Rehabilitation for Older Adults (1)
Strategies aimed toward maximizing the functioning of older adults. A team approach is emphasized, drawing on disciplines such as physical, occupational, and recreational therapy, speech-language pathology and audiology, and rehabilitation nursing. Legal and ethical issues that pertain to the rehabilitation of this population are also addressed. Prerequisites: Sophomore standing. 1 credit. (F, Y)
Distribution: NLA.

PTBS 31300 - Clinical Physiology (3)
The study of human physiology from a clinical perspective, addressing normal function in the primary physiological systems and how therapeutic interventions influence system functions. Introduces pathophysiological syndromes common to patients receiving therapy. Describes physiological responses in patients receiving specific physical or occupational therapy interventions. Prerequisites: One course in CHEM. Corequisite: BIOL 20600; open to clinical health studies and occupational science majors. 3 credits. (F-S, Y)
Distribution: NLA.

PTBS 39900 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39901 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39902 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39903 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39904 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39905 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39906 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39907 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39908 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39909 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39910 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39911 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As
appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39912 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39913 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39914 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39915 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39916 - Sltp: PT (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

Distribution: NLA.

PTBS 39917 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39918 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 39919 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. Satisfactory/D/Failure only. 0.5-3 credits. (IRR)

PTBS 47000 - Mechanical Diagnosis and Therapy of the Lumbar Spine (2)
Introduction to mechanical diagnosis and treatment of the lumbar spine. Develops understanding of basic theories and thought processes in mechanical diagnosis. Exposes students to basic treatment interventions and skills in performing them. Prerequisites: PTBS 31400 or permission of instructor. Pass/fail only. 2 credits. (S,Y)

Distribution: NLA.

PTBS 49900 - Independent Study (1 to 6)
This course, which requires a faculty sponsor, allows students to complete an in-depth study or project in an area of their interest related to physical therapy. Includes a final presentation. Prerequisites: Permission of faculty sponsor, academic adviser, department chair, and dean. May be repeated for a total of 6 credits. 1-6 credits. (F-S,Y)

Distribution: NLA.

PTBS 49901 - Independent Study (1 to 6)
This course, which requires a faculty sponsor, allows students to complete an in-depth study or project in an area of their interest related to physical therapy. Includes a final presentation. Prerequisites: Permission of faculty sponsor, academic adviser, department chair, and dean. May be repeated for a total of 6 credits. 1-6 credits. (F-S,Y)

Distribution: NLA.

PTBS 49902 - Independent Study (1 to 6)
This course, which requires a faculty sponsor, allows students to complete an in-depth study or project in an area of their interest related to physical therapy. Includes a final presentation. Prerequisites: Permission of faculty sponsor, academic adviser, department chair, and dean. May be repeated for a total of 6 credits. 1-6 credits. (F-S,Y)

Distribution: NLA.

PTBS 49903 - Independent Study (1 to 6)
This course, which requires a faculty sponsor, allows students to complete an in-depth study or project in an area of their interest related to physical therapy. Includes a final presentation. Prerequisites: Permission of faculty sponsor, academic adviser, department chair, and dean. May be repeated for a total of 6 credits. 1-6 credits. (F-S,Y)

Distribution: NLA.

PTBS 51002 - Human Anatomy (6)
Study of the gross anatomical components of the human body through the use of lecture and cadaver dissection. Emphasis is placed on the musculoskeletal and neurovascular systems found in the extremities, trunk,
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chest, and abdominal walls, and in the head and neck. Prerequisites: BIOL 20600. 6 credits. (Sum,Y)

PTBS 51003 - Pathology for Physical Therapists (3)
Examination of the components of general disease and injury processes and specific components of selected diseases likely to be encountered in physical therapy practice. General pathology topics described include cell and tissue injury, inflammation, and the healing and repair process. Specific focus on diseases of the musculoskeletal, cardiovascular, pulmonary, integumentary, and nerve systems. Emphasis is placed on understanding the underlying mechanisms of structural and functional disruptions for adults, with secondary comparisons to pathology across the life span. This course provides background information necessary for performing differential diagnosis and patient treatments. Prerequisites: PTBS 51002; PTBS 31300. 3 credits. (S,Y)

Distribution: NLA.

PTBS 52001 - Fundamentals of Patient/Client Care (2)
Provides first formal contact with patients/clients and patient/client care techniques. Exposes students to the initial steps in the patient/client professional relationship, including professional behaviors, communications (verbal and written), assessment of patient/client medical status, patient/client mobility techniques, and medical record documentation. The emphasis throughout the course is to develop the skills necessary to assure patient/client and student safety in the clinical environment. Corequisites: PTBS 51002. 2 credits (Sum,Y)

Distribution: NLA.

PTBS 52102 - Musculoskeletal Examination and Evaluation (3)
Introduction to the patient/client management model with emphasis on examination, evaluation, and diagnosis of musculoskeletal problems of the extremities. Emphasis is placed on the following skills: patient history, range of motion, goniometry, muscle performance testing, flexibility testing, ligament testing, special orthopedic tests, and posture as it relates to the extremities. Prerequisites: PHYS 10100; PHYS 10200; PTBS 51002. 3 credits. (F,Y)

Distribution: NLA.

PTBS 52203 - Soft Tissue Palpation and Examination (2)
This lecture and laboratory course examines various methods of soft tissue examination and intervention. It covers a broad spectrum of techniques while teaching the skills of the most commonly used methods. Some of the techniques are more scientifically evidence-based than others. The course emphasizes critical assessment and the need for research-based analysis. It develops palpation skills, including the examination and evaluation of soft tissue dysfunction. Prerequisite: PTBS 51002. Corequisites: PTBS 52102; PTBS 53702. 2 credits (F,Y). Distribution: NLA.

PTBS 52304 - Peripheral Joint Mobilization (1.5)
Lecture and laboratory course preparing students to incorporate passive mobility testing into the patient/client examination. Students also learn to use passive joint mobilization interventions for patient/client with peripheral joint pathologies. Prerequisites: PTBS 52102; PTBS 52203. 1.5 credits (S,Y)

Distribution: NLA.

PTBS 52405 - Therapeutic Exercise (3)
A comprehensive analysis of the scientific principles of exercise commonly used in physical therapy practice. Specific exercise programs address muscle performance, endurance, mobility, and balance impairments. Adaptations of tissue on activity and immobilization are also discussed. Prerequisites: PTBS 31300; PTBS 52102; PTBS 53702 3 credits. (S,Y)

Distribution: NLA.

PTBS 53101 - Electrotherapeutic Modalities and Physical Agents (4)
The study of the biophysical, physiological, and clinical principles and procedures associated with the application of electromagnetic and acoustic energy in the prevention and treatment of pathological conditions. Prerequisites: PHYS 10100; PHYS 10200; PTBS 51002. 4 credits. (S,Y)

Distribution: NLA.

PTBS 53702 - Applied Biomechanics (3)
Application of mechanical principles to human movement. Particular attention to the effect of forces in producing normal movement. Students are required to apply their knowledge of anatomy to understanding individual joint function, as well as the integrated function of several joints during complex activities such as the normal gait. Prerequisites: PHYS 10100; PHYS 10200; PTBS 51002. 3 credits. (F,Y)

Distribution: LA,NS.

PTBS 54001 - Profession of Physical Therapy (0.5)
Description of physical therapy as a profession in the United States, including history, professional organization, roles of the physical therapist and related personnel, and scope of practice. Prerequisites: Senior standing. 0.5 credit. (F,Y)

Distribution: NLA.

PTBS 54102 - Preclinical Conference I (0)
Series of sessions to explain clinical education policies and procedures and choose sites for clinical affiliations.
Prerequisites: Senior standing; clinical health studies major. Pass/fail only. 0 credits. (F,Y)

Distribution: NLA.

PTBS 54203 - Professional Development I (1)

Introduction to the Practice Act, Code of Ethics, roles of paraprofessionals, professional and ethical behavior, and effective communication styles. Instruction in clinical education teams, models of clinical education, and assessment of clinical performance. Prerequisites: PTBS 55501; PTBS 54001. 1 credit. (S,Y)

Distribution: NLA.

PTBS 55501 - Teaching and Learning in the Clinical Setting (1)

Preparation to teach in a variety of settings and formats for academic, clinical, and professional purposes. Content is applicable to community presentations, group in-services, and presentations, as well as patient/family and other individualized teaching. Includes teaching/learning theories and styles, impact of age, culture, environment, and motivation, domains of learning, instructional objectives, teaching methods, and instructional technology. Evaluation, feedback, and outcome measurements are included. 1 credit. (S,Y)

Distribution: NLA.

PTBS 55602 - Introduction to Health Care Systems (1)

Constructs of the U.S. health care system, with emphasis on how parts of the system influence patient referrals, delivery of care, and reimbursement. The course focuses on the health care system's influence on rehabilitation services with emphasis on allied health. Prerequisites: PTBS 54001. 1 credit. (S,Y)

Distribution: NLA.

PTBS 56701 - Research I: Evidence Based Practice I (3)

An overview of how the research literature can guide clinical decision making and form the basis for contemporary physical therapist practice. Emphasis on how evidence is used to answer clinical questions that affect the examination process, evaluation procedures, and interventions commonly used by physical therapists. The historical background for evidence based practice will be examined at the start of this course, followed by an analysis of the fundamental components of evidence based practice. Contempory issues in physical therapist practice will be used to illustrate various issues and topics in this course. Prerequisites: MATH 14500, MATH 15500, MATH 21600 or PSYC 20700. 3 credits. (F,Y)

PTBS 56800 - Research II: Evidence-Based Practice II (2)

Focuses on how clinicians can evaluate, integrate, and apply research to guide clinical decision making in contemporary physical therapist practice. This course builds on and applies principles introduced to PTBS 56701 (Research I: Evidence-Based Practice I), and helps students become proficient in accessing and critically reviewing the literature to answer clinical questions. Students will evaluate and categorize specific articles that illustrate various types and levels of evidence. Students explore specific clinical questions, access the scientific literature using computer databases, and plan interventions based on strength of the available evidence. This course will prepare the student to enter the Research Seminar series in their final professional year. Prerequisites: PTBS 56701. 2 credits.

PTBS 59000 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59001 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59002 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59003 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59004 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59005 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59006 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59007 - Selected Topics in Physical Therapy (.5 to 3)
Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59008 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59009 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59010 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59011 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59012 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59013 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59014 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59015 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59016 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59017 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59018 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59019 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59020 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59021 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59022 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59023 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59024 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59025 - Selected Topics in Physical Therapy (.5 to 3)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only .5-3 credits (IRR)

PTBS 59800 - Honors Seminar in Physical Therapy (1)
For students in the honors program. Research proposals completed in PTBS 59900 are presented and critiqued. In addition, examples of good and poor published journal articles are discussed and analyzed. Prerequisites: PTBS 59900. Note: All undergraduates taking this course for graduate credit must satisfy the conditions listed under "Course Levels." 1 credit. (F-S,Y)

Distribution: NLA.

PTBS 59900 - Honors Project (3)

For the exceptional student who wishes to pursue graduate research. Results will be summarized in a research proposal, which is a preliminary step toward a graduate thesis. Prerequisites: PTBS 41000; permission of department chair. Note: All undergraduates taking this course for graduate credit must satisfy the conditions listed under "Course Levels." 3 credits. (F,Y)

Distribution: NLA.

RLS - Recreation and Leisure Studies

RLS 10100 - Leisure and Society (3)

Introduction to the dimensions of leisure and recreation services in modern society. Potential of recreation as related to human needs and development. For freshman/sophomore non-recreation majors only. Students may not receive credit for both this course and RLS 10300. 3 credits. (F-S,Y)

Distribution: 1,LA,SS.

RLS 10300 - History and Philosophy of Leisure (3)

Historical and theoretical foundations, nature, and significance of recreation and leisure in contemporary society; current trends and prospects for the future. Survey of agencies, organizations, and programs in the leisure service field and the recreation profession. 3 credits. (F-S,Y)

Distribution: LA,SS.

RLS 10400 - Cooperative Games Facilitation (1)

Basic concepts of cooperative games -- philosophy, leadership, curriculum development, and evaluation. The course includes leadership and referee techniques, safety considerations, group dynamics, and game philosophies. A variety of game strategies are presented. Other new and innovative approaches to games are also presented. 1 credit. (F-S,Y)

Distribution: NLA.

RLS 10500 - Fundamentals of Leadership (3)

Basic concepts in leadership. Examination of sources required for authentic leadership: connections, identity, integrity, and personal power. Analysis of effective leadership practices and the application to collaborative environments. 3 credits. (F-S,Y)

Distribution: LA.

RLS 12500 - Understanding Disability: Characteristics, Causes, Services (3)

Introduction to the wide spectrum of disabilities -- including cognitive disability, mental illness, physical disability, and sensory impairment -- within home, school, community, and therapeutic settings. Course focuses on abilities, rights, characteristics, and needs of people with diverse abilities. Issues are discussed in light of societal, cultural, and historical barriers. Self-advocacy, family perspectives, technological developments, and current trends in educational and rehabilitative services are also considered. Includes an experiential swim program with children of varying abilities during class time. Preference is given to freshmen and sophomores. 3 credits. (F-S,Y)

Distribution: 1,LA.

RLS 13300 - Introduction to Therapeutic Recreation (3)

An in-depth study of the scope of therapeutic recreation. Students study the historical and philosophical foundations of the profession. The role of therapeutic recreation professionals in the spectrum of health care and human service settings serving clients with a variety of disabilities is explored. Students participate in a 20-hour field experience and interact with professionals in the field throughout the course. Prerequisites: RLS 12500. 3 credits. (S,Y)

Distribution: NLA.

RLS 13700 - Leisure Travel (3)

Develops an understanding of tourism and its social, economic, and environmental impact as one of the world's largest and fastest-growing industries. Examines travel motivation, travel trends including ecotourism, and the distinctive conditions that attract visitors to different regions of the world. Enables students to discover interesting places to visit and prepares them to deal with logistical concerns related to climate, monetary exchanges, customs, time changes, health, and safety. The role of intermediaries to facilitate travel arrangements and provide information is also examined. 3 credits. (S,Y)

Distribution: NLA.

RLS 15000 - Rock Climbing (1)

An introduction to the fundamentals of rock climbing, including safety considerations. Skills taught include the care and use of equipment, knot-tying, belaying, rappelling, and a variety of movements on rock. Pass/fail only. 1 credit. (F-S,Y)

Distribution: NLA.
RLS 15100 - Foundations of Outdoor Adventure Pursuits (3)

An examination of the historical, psychological, social, and philosophical foundations of outdoor adventure pursuits. 3 credits. (F-S,Y)

Distribution: I,LA,SS.

RLS 18000 - Selected Topics in Adventure Skills Fundamentals (1)

Examines fundamental concepts and standard practices of a specific adventure skill discipline. Application of technical skills. This course involves field experiences. This course may be repeated up to six times for different selected topics. May have fees associated. 1 credit. (Y)

Distribution: NLA.

RLS 18001 - Selected Topics in Wilderness Medicine (1)

Teaches the fundamental concepts and standard practices that are the foundation of a given skill discipline. The process is presented as the application of technical, environmental, and organizational skills. Teaches the concepts and practices that are required in various skill disciplines such as backpacking, vertical environments, mountaineering, and whitewater as well as various other disciplines. This course involves field experiences. Fees for travel expenses. 1 credit. (SU, IRR)

Distribution: NLA.

RLS 18002 - Selected Topics in Winter Environments (1)

Teaches the fundamental concepts and standard practices that are the foundation of a given skill discipline. The process is presented as the application of technical, environmental, and organizational skills. Teaches the concepts and practices that are required in various skill disciplines such as backpacking, vertical environments, mountaineering, and whitewater as well as various other disciplines. This course involves field experiences. Fees for travel expenses. 1 credit. (SU, IRR)

Distribution: NLA.

RLS 18003 - Selected Topics in Whitewater Environments (1)

Examines fundamental concepts and standard practices of a specific adventure skill discipline. Application of technical skills. This course involves field experiences. This course may be repeated up to six times for different selected topics. May have fees associated. 1 credit. (Y)

Distribution: NLA.

RLS 18004 - Selected Topics in Vertical Environments (1)

Examines fundamental concepts and standard practices of a specific adventure skill discipline. Application of technical skills. This course involves field experiences.

This course may be repeated up to six times for different selected topics. May have fees associated. 1 credit. (Y)

Distribution: NLA.

RLS 18005 - Selected Topics in Rescue (1)

Examines fundamental concepts and standard practices of a specific adventure skill discipline. Application of technical skills. This course involves field experiences. This course may be repeated up to six times for different selected topics. May have fees associated. 1 credit. (Y)

Distribution: NLA.

RLS 18009 - Selected Topics in Adventure Skills Fundamentals (1)

Teaches the fundamental concepts and standard practices that are the foundation of a given skill discipline. The process is presented as the application of technical, environmental, and organizational skills. Teaches the concepts and practices that are required in various skill disciplines such as backpacking, vertical environments, mountaineering, and whitewater as well as various other disciplines. This course involves field experiences. Fees for travel expenses. 1 credits. (SU, IRR)

Distribution: NLA.

RLS 19000 - Selected Topics in Adventure Skill Fieldwork (2)

An experiential education opportunity that applies adventure skills to real-life situations. The student works in an adventure setting and is actively involved in some aspect of program planning, delivery, and direct leadership. This course may be repeated up to three times for different selected topics. May have fees associated. Prerequisites: Corresponding RLS 180XX. 2 credits. (Y)

Distribution: NLA.

RLS 19001 - Selected Topics in Whitewater Environments (2)

An experiential education opportunity that applies adventure skills to real-life situations. The student works in an adventure setting and is actively involved in some aspect of program planning, delivery, and direct leadership. This course may be repeated up to three times for different selected topics. May have fees associated. Prerequisites: Corresponding RLS 180XX. 2 credits. (Y)

Distribution: NLA.

RLS 19002 - Selected Topics in Vertical Environments (2)

An experiential education opportunity that applies adventure skills to real-life situations. The student works in an adventure setting and is actively involved in some aspect of program planning, delivery, and direct leadership. This course may be repeated up to three times for different selected topics. May have fees associated. Prerequisites: Corresponding RLS 180XX. 2 credits. (Y)
**COURSE DESCRIPTIONS**

**Distribution: NLA.**

**RLS 21500 - Youth at Risk (3)**

Students explore, through theoretical and experiential learning, the factors that contribute to or influence the leisure, educational, and social problems of youth at risk. Included among these factors are abuse, neglect, homelessness, recent immigration, minority group membership, having single and/or addicted parents, and various kinds of family dysfunctions. An overview of developmental, social, and psychological perspectives is presented along with innovative programs for youth at risk. Includes weekend workshop (minimal fee). Prerequisites: Sophomore standing or above. 3 credits. (F,Y)

**Distribution: NLA.**

**RLS 21600 - Outdoor Adventure Skills (3)**

Introduction to basic skills and concepts in a variety of outdoor adventure pursuits. Skills include trip preparation, menu planning, cooking techniques, and safety considerations in both moderate and cold-weather camping. Fundamentals in backcountry travel may include backpacking, flat-water canoeing, rock climbing, kayaking, and winter travel. Includes one weekend field experience and several day trips during class time. Fees for travel expenses. Pre-requisites: RLS 15100. 3 credits. (F,S,Y)

**Distribution: NLA.**

**RLS 21800 - Wilderness First Responder (3)**

Improvised resources, varying environmental conditions, and extended care used as the framework for learning to respond to medical emergencies in remote wilderness settings. Examines necessary tools to make critical medical and evacuation decisions. Certification awarded upon successful completion. Component of the Immersion Semester Program with associated fees. Prerequisites: RLS 15100; outdoor adventure leadership major or outdoor pursuits minor. 3 credits. (S,Y)

**Distribution: NLA.**

**RLS 22000 - The Wilderness Experience (4)**

Exploration of the complexity of a wilderness experience. Focuses on wilderness values and the relationship humanity has with shaping the natural environment as well as the effects wilderness has on human relationships. This is an extended field experience. Component of the Immersion Semester Program with associated fees. Prerequisites: RLS 15100; outdoor adventure leadership major or outdoor pursuits minor. 4 credits. (S,Y)

**Distribution: LA.**

**RLS 22300 - Wilderness Literacy (2)**

Survey of works in a variety of media that focuses on the theme of wilderness as a metaphor. Examination of the important ideas, people, cultures, and deep intellectual history of the wilderness movement. Component of the Immersion Semester Program with associated fees. Prerequisites: RLS 15100; outdoor adventure leadership major or outdoor pursuits minor. 2 credits. (S,Y)

**Distribution: HU, LA.**

**RLS 23200 - Program Planning (3)**

Takes students through the process of programming, including the setting and evaluation of goals and objectives. Provides opportunities to experience the implementation of ideas in the community. This course also incorporates activity analysis, leisure education, program safety and risk management, and public relations. Prerequisites: RLS 10100 or RLS 10300; RLS 10500. 3 credits. (S,Y)

**Distribution: NLA.**

**RLS 23500 - Design and Operation of Areas and Facilities (3)**

Elements and principles of the design of outdoor recreation areas, with emphasis on playground, neighborhood, community, and large urban parks. Design features and operational practices of selected special facilities are also examined. Prerequisites: RLS 10100 or RLS 10300. 3 credits. (S,Y)

**Distribution: NLA.**

**RLS 23800 - Leisure and Aging (3)**

Explores the role of leisure in the aging process. Students analyze the effects of incorporating meaningful leisure activities into the lifestyles of older individuals, based on their needs and interests. Visits to facilities and interaction with older individuals in leisure settings demonstrate the importance of leisure to a healthy lifestyle for older individuals. Prerequisites: RLS 10100, RLS 10300, or GER 10100. 3 credits. (IRR)

**Distribution: LA.**

**RLS 24300 - Recreation (3)**

Explores ways in which arts and related recreation activities can aid in the rehabilitation process of individuals with disabling conditions, develop individual creativity, and enhance the quality of life. Programming areas include art, music, dance, drama, writing, literary readings, movement, reminiscence, horticulture, pet therapy, and biofeedback. Prerequisites: RLS 12500. 3 credits. (F,Y)

**Distribution: NLA.**

**RLS 24800 - Service Learning I: Programming (3)**

An experiential education opportunity that applies program planning theories and skills to real-life situations. The student works in a leisure service agency and is actively involved in some aspect of program planning and direct
leadership. This course combines classroom and agency experience. Prerequisites: RLS 10300; RLS 10500; RLS 23200 (may be taken concurrently); major or minor status in department or aging studies major. 3 credits. (F-S,Y)

Distribution: NLA.

RLS 25500 - Outdoor Adventures for People with Differing Abilities (3)

Principles and practices of planning, leading, implementing, supervising, and evaluating outdoor adventure programs for people with disabilities. The focus is on the abilities, rights, characteristics, and needs of people with varying abilities -- including cognitive disabilities, mental illness, learning disabilities, physical disabilities, and sensory impairments -- that impact participation in outdoor adventure. Use of outdoor adventure as therapeutic intervention is also examined. Prerequisites: RLS 12500. 3 credits. (IRR)

Distribution: NLA.

RLS 27700 - Ecotourism and Natural Resource Management (1 to 3)

Examines ecotourism from an international perspective. Emphasis is placed on management of the natural resources necessary in delivering a variety of ecotourist attractions (wildlife, plant life, scenery). Additionally, cultural resources associated with aboriginal cultures are explored. A majority of the course is spent traveling to various private and public ecotourism ventures (e.g., whale watching, hiking, sea kayaking). Students engage in the ecotourism ventures, as well as meet leisure service personnel who own, operate, and direct these ventures. Includes fee for travel, food, and gear rental. Prerequisites: Sophomore standing. 1-3 credits. (IRR)

Distribution: G,LA.

RLS 28000 - Selected Topics in Adventure Skills Management (2)

Emphasizes core competencies required to manage clientele in a specific adventure skill environment. This course involves field experiences. This course may be repeated up to three credits for different selected topics. May have fees associated. Prerequisites: Corresponding RLS 180xx. 2 credits. (Y)

Distribution: NLA.

RLS 28001 - Selected Topics in Wilderness Medicine (2)

Emphasizes core competencies required to manage clientele in a specific adventure skill environment. This course involves field experiences. This course may be repeated up to three credits for different selected topics. May have fees associated. Prerequisites: Corresponding RLS 180xx. 2 credits. (Y)

Distribution: NLA.

RLS 28002 - Selected Topics in Winter Environments (2)

Emphasizes core competencies required to manage clientele in a specific adventure skill environment. This course involves field experiences. This course may be repeated up to three credits for different selected topics. May have fees associated. Prerequisites: Corresponding RLS 180xx. 2 credits. (Y)

Distribution: NLA.

RLS 28003 - Selected Topics in Whitewater Environments (2)

Emphasizes core competencies required to manage clientele in a specific adventure skill environment. This course involves field experiences. This course may be repeated up to three credits for different selected topics. May have fees associated. Prerequisites: Corresponding RLS 180xx. 2 credits. (Y)

Distribution: NLA.

RLS 28004 - Selected Topics in Vertical Environments (2)

Emphasizes core competencies required to manage clientele in a specific adventure skill environment. This course involves field experiences. This course may be repeated up to three credits for different selected topics. May have fees associated. Prerequisites: Corresponding RLS 180xx. 2 credits. (Y)

Distribution: NLA.

RLS 28009 - Selected Topics in Adventure Skills Management (2)

This course focuses on the concepts of adventure skill management through the use of the Outcome Model and Site Management Theory. An understanding of the complex relationships surrounding adventure program design management will be analyzed with special emphasis on administrative risk management. Each section of this course will focus on a different adventure based skill.

Distribution: NLA.

RLS 33000 - Administration of Recreation (3)

Introduction to basic concepts of organization, administration, and supervision of leisure service agencies. The administrative functions covered include personnel management, budgets, finance, resource planning, public relations, evaluation, legal issues, policy development, and problem-solving techniques. Prerequisites: RLS 23200; RLS 24800. 3 credits. (F,Y)

Distribution: NLA.

RLS 33100 - Supervision of Recreation Personnel (3)

Contemporary issues and related administrative practices associated with managing human resources in leisure services. Examining concepts, principles and objectives of
personnel supervision, including functions, processes, identification and application of methods and techniques. Prerequisites: RLS 33000. 3 credits. (S,O)
Distribution: NLA.
RLS 33200 - Research Methods (3)
Procedures and applications of social science research methods to recreational settings. Topics include research design, methods of data collection, and the presentation and interpretation of data. Prerequisites: RLS 10500; RLS 23200; junior standing, 3 credits. (F,Y)
Distribution: I,LA.
RLS 33400 - Leisure Education (3)
The recreation professional is considered a facilitator of his or her clients' expanded leisure awareness. Focus is on enabling clients to evaluate the individual and social dynamics of leisure and to assess their leisure attitudes, skills, and options. Prerequisites: RLS 10100 or RLS 10300. 3 credits. (F,Y)
Distribution: I, LA.
RLS 33600 - Commercial Recreation (3)
Study of commercial and entrepreneurial recreation as a major component of the leisure service delivery system. Analysis of the development potential of different types of recreation enterprises, including resources, location, risks, sources of financing, pricing, managerial requirements, marketing, and sources of technical assistance. Prerequisites: RLS 33000 or a level-2 business or economics course. 3 credits. (S,E)
Distribution: NLA.
RLS 34000 - Inclusive Community Leisure Services (3)
Principles and techniques to include people with disabilities in regular, community leisure services. Rationale for inclusion, historical context, and legislative initiatives are addressed. Strategies highlighted include needs assessment, staff training, environmental analysis, sensitization training for peers without disabilities, trainer advocacy, behavioral teaching techniques, cooperative learning, friendship development, and evaluation techniques. A 20-hour volunteer experience is required. Prerequisites: RLS 12500; junior standing. 3 credits. (F,Y)
Distribution: NLA.
RLS 34800 - Service Learning II: Administration (3)
Fieldwork in a leisure service agency compatible with the student's career interest and talents. The experience focuses on learning the responsibilities of a recreation administrator and/or supervisor. This course encourages practical application of concepts discussed in RLS 33000 Administration of Recreation. Prerequisites: RLS 24800; RLS 33000 (may be taken concurrently). 3 credits. (F-S,Y).
Distribution: NLA.
RLS 34900 - Advanced Fieldwork (2 to 6)
Practical in-depth work experience in a leisure service agency. Prerequisites: RLS 34800; permission of department chair. 2-6 credits. (F-S,Y)
Distribution: NLA.
RLS 35000 - Therapeutic Recreation Process I (3)
Introduction to the therapeutic recreation process, including the application of theory, client assessment, individualized treatment plan development, intervention planning, and documentation procedures. Focuses on the development and application of knowledge and skills necessary for meeting professional standards of practice, accreditation requirements, and third party payment criteria. Prerequisites: RLS 12500; RLS 23300. 3 credits. (F,Y)
Distribution: NLA.
RLS 35300 - Clinical Application in Therapeutic Recreation (0.5)
An interdisciplinary experiential learning lab at which students apply the knowledge they learn in RLS 35000 Therapeutic Recreation Process I and RLS 36000 Therapeutic Recreation Process II. Students are assigned a caseload and are responsible for assessment, treatment plan development, intervention planning, and documentation on assigned client(s). Participation in interdisciplinary team meetings is required. Prerequisites: RLS 23300. Corequisites: RLS 35000 (F); RLS 36000(S). 0.5 credits (F-S,Y)
Distribution: NLA.
RLS 35400 - Organization and Supervision of Outdoor Pursuits (2)
Application of principles and practices in planning, implementing, leading, supervising, and evaluating outdoor trips and programs. Study of outdoor program supervision using a variety of organizational models. Students design field-based experiences. Component of the Immersion Semester Program with associated fees. Prerequisites: RLS 21600; outdoor adventure leadership major or outdoor pursuits minor. 2 credits. (S,Y)
Distribution: NLA.
RLS 35700 - Therapeutic Recreation in the Schools (3)
Prepares students to deliver therapeutic recreation services to students with disabilities in public school systems, as mandated by the Individuals with Disabilities Education Act. Students learn to apply the therapeutic recreation process in a school setting and develop appropriate recreation goals for individualized education plans. Curricula to support therapeutic recreation in the schools are identified, as well as the roles therapeutic recreation
specialists can play to advocate for and deliver leisure education in schools. Through a case study method, students apply concepts and techniques to an actual public school setting. Prerequisites: RLS 23000; junior standing. 3 credits. (IRR)

Distribution: NLA.

RLS 36000 - Therapeutic Recreation Process II (3)
Advanced study of the therapeutic recreation process, including the design and implementation of agency-specific assessments, standardized interdisciplinary assessment instruments, and systems design program planning and evaluation. Focuses on interdisciplinary treatment plan development and intervention planning. Prerequisites: RLS 35000. 3 credits. (S,Y)

Distribution: NLA.

RLS 36600 - Social and Cultural Aspects of Play (3)
Explores qualities of play through interdisciplinary reading, experiential learning, and in-depth classroom discussion. Students learn about social and cultural aspects of play and rekindle their personal sense of playfulness. Prerequisites: Three courses from recreation, psychology, anthropology, history, music, philosophy, or sociology; junior standing. 3 credits. (IRR)

Distribution: I,LA.

RLS 37000 - Recreational Land Use Ethics (3)
Examination of the people and social forces that have influenced land use related to designated wilderness. Focus on philosophical and historical basis for wilderness management. Emphasizes development and promotion of a personal recreational land-use ethic. Includes an extended field experience. Component of the Immersion Semester Program with associated fee. Prerequisites: RLS 21600; outdoor adventure leadership major or outdoor pursuits minor. 3 credits. (S,Y)

Distribution: LA.

RLS 39900 - Selected Topics in Recreation (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: NLA.

RLS 39902 - Selected Topics in Recreation (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: NLA.

RLS 39903 - Selected Topics in Recreation (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: NLA.

RLS 42100 - Wilderness Expedition Leadership (4)
Integrates human understanding, outdoor techniques, and teaching ability in expedition leadership. Emphasis on sound judgment and decision making with groups in wilderness settings. This is an extended field experience. Component of the Immersion Semester Program with associated fee. Prerequisites: RLS 35400; outdoor adventure leadership major or outdoor pursuits minor. 4 credits. (S,Y)

Distribution: NLA.

RLS 43000 - Adventure Education (3)
Modern educational theory, experiential education, and adventure education theories are examined. Ethics of adventure education leadership are explored. Prerequisites: Senior standing. Outdoor adventure leadership major or Outdoor pursuits minor. 3 credits. (F,Y)

Distribution: LA.

RLS 43300 - Administration of Therapeutic Recreation (3)
Provides an awareness and working knowledge of the skills needed to administer a therapeutic recreation department. Topics to be discussed include standards of practice, accreditation standards, third-party reimbursements, alternate funding sources, team involvement and intervention, marketing, clinical supervision, and continuous quality management as it relates to the therapeutic recreation process. Prerequisites: RLS 33000. 3 credits. (S,Y)

Distribution: NLA.

RLS 44100 - Internship in Recreation and Leisure Studies (6 to 9)
Supervised, full-time work experience during the summer or regular academic school year in a leisure service agency. Prerequisites: Minimum cumulative GPA of 2.00; minimum GPA in RLS courses of 2.50; minimum average of 3.00 in RLS 24800 and RLS 34800; completion of at
least 24 credits of required recreation courses (RLS) and 6 credits of recreation electives; approval of department chair. 6-9 credits. (F-S-Sum,Y)

Distribution: NLA.

RLS 45000 - Independent Study: Recreation and Leisure Studies (1 to 3)
Individual pursuit of the solution to a problem of interest to the student and consultant faculty member. Prerequisites: RLS 33200; permission of department chair. 1-3 credits. (F-S-Sum,Y)

Distribution: LA.

RLS 45001 - Independent Study: Recreation and Leisure Studies (1 to 3)
Individual pursuit of the solution to a problem of interest to the student and consultant faculty member. Prerequisites: RLS 33200; permission of department chair. 1-3 credits. (F-S-Sum,Y)

Distribution: LA.

RLS 45002 - Independent Study: Recreation and Leisure Studies (1 to 3)
Individual pursuit of the solution to a problem of interest to the student and consultant faculty member. Prerequisites: RLS 33200; permission of department chair. 1-3 credits. (F-S-Sum,Y)

Distribution: LA.

RLS 45003 - Independent Study: Recreation and Leisure Studies (1 to 3)
Individual pursuit of the solution to a problem of interest to the student and consultant faculty member. Prerequisites: RLS 33200; permission of department chair. 1-3 credits. (F-S-Sum,Y)

Distribution: LA.

RLS 45300 - Seminar: Professional Development (3)
Capstone course to develop skills necessary for professional involvement after graduation. Topics include an in-depth study of the national certification processes, professional organizations and committee involvement, and legislative and consumer advocacy skills. Students also learn to develop proposals for presentations at professional conferences and to develop professional presentation and multimedia skills. Professional publications and publication requirements are discussed. Prerequisites: RLS 33000. 3 credits. (F-S,Y)

Distribution: NLA.

RLST - Religious Studies

RLST 10300 - Hebrew Scriptures (3)

This course treats the books of the Bible critically as literature, as religious and moral texts, and as a source of sociological knowledge. It surveys the biblical literature, acquaints the students with critical methods for the study of the Bible, situates the Bible within the literature and culture of the ancient Near East, and discusses the religion of ancient Israel. Deals with questions of history and archaeology, and with questions of meaning -- what the biblical text meant to its ancient readers, and what meanings it has today. Cross-listed with JWST 10300. Students may not receive credit for both RLST 10300 and JWST 10300. 3 credits. (F,Y)

Distribution: 3A,H,HU,LA.

RLST 10400 - Introduction to the New Testament (3)
A survey of the life and teaching of Jesus, and major themes in the Pauline Epistles and the Book of Revelation. 3 credits. (IRR)

Distribution: HU,LA.

RLST 10500 - Introduction to World Religions: Indigenous and Eastern (3)
Examination of methods in the study of religion and the meaning of ritual, myth, and symbols as applied to Native American and other primal religions, Hinduism, Buddhism, Taoism, Confucianism, and Shintoism. Ideas of divinity, methods of liberation, life after death, attitudes toward nature, ways of living in society, and world views are studied in each tradition and then compared. 3 credits. (F,Y)

Distribution: 1,G,H,HU,LA.

RLST 10600 - Introduction to World Religions: Western and Modern (3)
Introduces the academic study of religion through exploration of the historical development of the Jewish, Christian, and Muslim traditions. Emphasizes how religious beliefs and practices evolve in response to historic events and changing cultural contexts, including the challenges posed by modernity and postmodernity. 3 credits. (S,Y)

Distribution: 1,G,H,HU,LA.

RLST 17500 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17501 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17502 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17503 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17504 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17505 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17506 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17507 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17508 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17509 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. 3 credits. (IRR)

Distribution: HU,LA.

RLST 17600 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. May be repeated for credit when topics vary. 3 credits. (IRR)

Distribution: HU,LA.

RLST 20100 - Religion and Culture (3)
Study of the mutual relations between religion and culture. The course explores the religious dimension of art, music, and literature, and considers the way religious symbols influence cultural movements, contrasting religious symbols as the basis for cultural values with religious symbols as a countercultural critique of majority norms. Students study both Western and non-Western examples, such as African American spirituals, Handel's "Messiah," European cathedrals, and Buddhist meditation practices. Prerequisites: Sophomore standing or above, or one course in religious studies. 3 credits. (O)

Distribution: 1,HU,LA.

RLST 20200 - Religion and Society (3)
Studies the interrelationships between religion and society. Major themes include examination of how religions influence social and political systems, how economic and historical factors affect religious dynamics, and how social scientists study religion today. It is a multicultural study of diverse societies. Prerequisites: Sophomore standing or above, or one course in religion. 3 credits. (E)

Distribution: 1,G,H,HU,LA.

RLST 20300 - Judaism (3)
An introduction to Judaism, with a focus on theology, ethics, and ritual practice. Readings include selected texts from the biblical, rabbinic, medieval, and modern periods. Theological and ethical issues include God, good and evil, covenant, death and afterlife, justice, and social responsibility. The course examines how these Jewish understandings are lived out through practices associated with birth and death; marriage and commitment; sexuality; and the life of study, prayer, and devotion. Cross-listed with JWST 20300. Students may not receive credit for both RLST 20300 and JWST 20300. Prerequisites: One course in the humanities or social sciences. 3 credits. (S,Y)

Distribution: 1,G,H,HU,LA.

RLST 20400 - Christianity (3)
A survey of the Gospel accounts of Jesus and the historical development of Christianity, including major theological themes and issues. Prerequisites: Sophomore standing or above. 3 credits. (O)

Distribution: 1,G,H,HU,LA.

RLST 20500 - Islam (3)
Introduces the origins, historical development, major institutions, and central beliefs and practices of Islamic tradition. Particular attention is given to contemporary debates in Islamic studies that shape our understanding of Islam and to Islamic responses to modern challenges of pluralism, feminism, and violence. Prerequisites: Sophomore standing or above. 3 credits. (F,Y)

Distribution: 1,G,H,HU,LA.
RLST 20700 - Death and Immortality (3)
Introduces eastern and western world religions through a thematic exploration of religious beliefs and practices associated with death, both in traditional and contemporary contexts. Prerequisites: One course in the humanities or social sciences. 3 credits. (Y)
Distribution: I, H, HU, LA.

RLST 22100 - Religion and Depth Psychology (3)
A study of Freudian, Jungian, humanistic, and transpersonal psychologies with respect to issues in religion. Topics for study include dream theory, the individuation process, psychological types, self-actualization, peak and plateau experiences, death, psychological aspects of worship, values, the psychology of meditation, and levels of consciousness. Students are encouraged to keep a dream notebook and must submit a term paper based on it or some suitable research topic. Prerequisites: Sophomore standing. 3 credits. (O)
Distribution: HU, LA.

RLST 25200 - Introduction to Mysticism (3)
Drawing from the mysticism of world religions, this course focuses on the mystical process (i.e., what happens to the mystic on his or her journey to "deepest reality") and the ways to reach this goal. Topics include stages of the mystical path; voices and visions; love or bridal mysticism; meditation and contemplation; and mysticism in the world of action, science, and the occult. Prerequisites: One course in the humanities or social sciences. 3 credits. (E)
Distribution: HU, LA.

RLST 25500 - Religions in America (3)
A sociohistorical survey of the varieties of religions in North America, including Christianity, Judaism, Islam, new religious movements, and religions of various ethnic groups, such as Native American religions and African American religions. Emphasizes the role religion plays in the political and ethical spheres of American life. Prerequisites: RLST 10600, or sophomore standing or above. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27500 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27502 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27503 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27504 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27505 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27506 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27507 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27508 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27509 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU, LA.

RLST 27510 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
RLST 27600 - Anthropology of Religion (3)
Topics to be determined according to teacher and student interest. May be repeated for credit when topics vary. Prerequisites: One course in the humanities or social sciences. 3 credits. (IRR)
Distribution: HU,LA.

RLST 28100 - Hinduism (3)
A historical survey of the development of Hinduism from its origin in the Vedic religion to the modern Vedantism. Reading and discussion on the Upanishads, the Bhagavad-Gita, and the Yoga Sutra. Prerequisites: One course in the humanities or social sciences. 3 credits. (O)
Distribution: I,G,HU,LA.

RLST 28300 - Introduction to Buddhism (3)
Study of the life and teaching of Gautama Buddha, and of the development of Theravada Buddhism in Southeast Asia and Mahayana Buddhism in the Far East. Reading and discussion of the Buddhist scriptures and Zen writings. Prerequisites: One course in the humanities or social sciences. 3 credits. (E)
Distribution: I,G,HU,LA.

RLST 30500 - Comparative Study of Religions (3)
Examination of the major issues in various religious traditions and comparison of their similarities and differences through the method of typological and phenomenological analysis. Discussion of certain common themes among these religions, such as the concept of god(s), the nature of man, the problem of evil, ways of salvation, patterns of rituals, and types of religious organization. Prerequisites: RLST 10500; RLST 10600; one course in religion at level 2 or above. (recommended: RLST 24200, RLST 28100, or RLST 28300). 3 credits. (E)
Distribution: I,G,HU,LA.

RLST 31100 - Philosophy of Religion (3)
Study and discussion of a broad range of issues in the philosophy of religion, such as religious epistemology, the ontological argument, the cosmological argument, the teleological argument, religion and science, and the problem of evil. Primary source readings. Prerequisites: two courses in philosophy, with at least one at level 2. 3 credits. (IRR)
Distribution: HU,LA. Crosslisted as: PHIL 31100.

RLST 32000 - Anthropology of Religion (3)
The religious experience from the standpoint of ethnographic field studies and from various theoretical approaches. Examines the relationships among religion, culture, and society. Explores the evolution of the anthropological study of religion. Prerequisites: ANTH 10400; two courses in the social sciences. 3 credits. (Y)
Distribution: LA,SS.

RLST 32300 - Gender and Sexuality in Judaism (3)
Exploration of what it means to be a Jewish man or woman. The course addresses how Jewish gender roles have changed throughout history, as well as how contemporary Jews deal with changes in women's roles and demands for gender equality. Topics covered include what is “gender” and how to study it; traditional roles of men and women in Judaism; the gendered Jewish body; family and sexuality; homosexuality; Jewish feminism; the gender of God; and changing women's religious roles. Cross-listed with JWST 32300. Students may not receive credit for both RLST 32300 and JWST 32300. Prerequisites: Three courses in the humanities or social sciences. 3 credits. (Y)
Distribution: HU,LA.

RLST 33300 - Jewish Mysticism (3)
This course traces the history of Jewish mysticism. After a brief overview of early Jewish mysticism from the biblical and rabbinic periods, students will concentrate on the medieval flowering of Kabbalah, and its further development in the 16th-century Kabbalah of Safed and Israel and 18th-century Eastern European Hasidism. The emphasis will be on understanding both the theoretical and experiential aspects of Jewish mysticism, and on examining some of the key texts of Jewish mysticism. Cross-listed with JWST 33300. Students may not receive credit for both RLST 33300 and JWST 33300. Prerequisites: Three courses in the humanities or social sciences. 3 credits. (Y)
Distribution: HU,LA.

RLST 35300 - Twentieth-Century Mysticism (3)
Study of the major trends in 20th-century mysticism through the writings of key mystics. Topics include earth and esoteric spiritualistics, the influence of Eastern spiritualistics on the West, and current Jewish, Christian, and Sufi ideas. The writings of Teilhard de Chardin, Thomas Merton, and Yogananda, as well as works from the Native American and Sufi traditions, are studied. Prerequisites: RLST 25200. 3 credits. (E)
Distribution: HU,LA.

RLST 37500 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)
Distribution: HU,LA.

RLST 37501 - Selected Topics in Religion (3)
COURSE DESCRIPTIONS

Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37502 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37503 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37504 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37505 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37506 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37507 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37508 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37509 - Selected Topics (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37510 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37600 - Selected Topics in Religion (3)
Topics to be determined according to teacher and student interest. May be repeated for credit for selected topics on different subjects. Prerequisites: One course in religion; two additional courses in the humanities and/or social sciences. 3 credits. (IRR)

Distribution: HU,LA.

RLST 37700 - Women and Religion (3)
A study of the emerging issues regarding women and religion, including the psychology of women's spiritual journey, the importance of the feminine or yin dimension of reality, the role of women in ancient and traditional religions, and new forms of feminine spirituality. Prerequisites: Three courses in religion and/or philosophy, or those courses in psychology, sociology, anthropology, and politics that address women's issues. 3 credits. (O)

Distribution: HU,LA.

RLST 39100 - Independent Study: Religion (1 to 4)
Study or research project(s) of the student's own devising. Minimal consultation with professor; final project(s) evaluated by professor. Offered on demand only. May be repeated for credit for different projects. Prerequisites: One course in religion; two courses in the humanities and/or social sciences; permission of instructor. 1-4 credits, depending on instructor and student interest. (IRR)

Distribution: LA,UND.

RLST 39101 - Independent Study: Religion (1 to 4)
Study or research project(s) of the student's own devising. Minimal consultation with professor; final project(s) evaluated by professor. Offered on demand only. May be repeated for credit for different projects. Prerequisites: One course in religion; two courses in the humanities and/or social sciences; permission of instructor. 1-4 credits, depending on instructor and student interest. (IRR)

Distribution: LA.
RLST 39200 - Independent Study: Religion (1 to 4)
Study or research project(s) of the student's own devising. Minimal consultation with professor; final project(s) evaluated by professor. Offered on demand only. May be repeated for credit for different projects. Prerequisites: One course in religion; two courses in the humanities and/or social sciences; permission of instructor. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 39300 - Tutorial in Religion (1 to 4)
Work by student and teacher together on a problem or project of interest to both. May be repeated for credit. Prerequisites: Permission of instructor; one course in religion; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 39301 - Tutorial in Religion (1 to 4)
Work by student and teacher together on a problem or project of interest to both. May be repeated for credit. Prerequisites: Permission of instructor; one course in religion; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 39400 - Tutorial in Religion (1 to 4)
Work by student and teacher together on a problem or project of interest to both. May be repeated for credit. Prerequisites: Permission of instructor; one course in religion; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 49100 - Independent Study: Religion (1 to 4)
Study or research project(s) of the student's own devising. Minimal consultation with professor; final project(s) evaluated by professor. Offered on demand only. May be repeated for credit for different projects. Prerequisites: One course in religion; two courses in the humanities and/or social sciences; permission of instructor. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 49200 - Independent Study: Religion (1 to 4)
Study or research project(s) of the student's own devising. Minimal consultation with professor; final project(s) evaluated by professor. Offered on demand only. May be repeated for credit for different projects. Prerequisites: One course in religion; two courses in the humanities and/or social sciences; permission of instructor. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 49300 - Tutorial in Religion (1 to 4)
Work by student and teacher together on a problem or project of interest to both. May be repeated for credit. Prerequisites: Permission of instructor; one course in religion; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 49301 - Tutorial in Religion (1 to 4)
Work by student and teacher together on a problem or project of interest to both. May be repeated for credit. Prerequisites: Permission of instructor; one course in religion; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 49400 - Tutorial in Religion (1 to 4)
Work by student and teacher together on a problem or project of interest to both. May be repeated for credit. Prerequisites: Permission of instructor; one course in religion; two additional courses in the humanities and/or social sciences. 1-4 credits, depending on instructor and student interest. (IRR)
Distribution: LA,UND.

RLST 49500 - Seminar in Religion (3)
Small group study of a topic not offered otherwise in the curriculum or not offered at the same level. May be repeated for credit. Prerequisites: One course in religion; two courses in the humanities and/or social sciences; permission of instructor. 3 credits. (IRR)
Distribution: HU,LA.

RLST 49501 - Seminar in Religion (3)
Small group study of a topic not offered otherwise in the curriculum or not offered at the same level. May be repeated for credit. Prerequisites: One course in religion;
two courses in the humanities and/or social sciences; permission of instructor. 3 credits. (IRR)
Distribution: HU,LA.

RLST 49600 - Seminar in Religion (3)
Small group study of a topic not offered otherwise in the curriculum or not offered at the same level. May be repeated for credit. Prerequisites: One course in religion; two courses in the humanities and/or social sciences; permission of instructor. 3 credits. (IRR)
Distribution: HU,LA.

SLPA - Speech Language Pathology and Audiology

SLPA 10901 - American Sign Language I (3)
Introduction to the linguistic features and core vocabulary needed to develop basic communicative competence in ASL. Students learn basic ASL grammar and apply this knowledge when using ASL to ask and answer questions, introduce themselves, exchange personal information, talk about family and friends, talk about surroundings, provide descriptions, and discuss activities. Discussion of deaf culture is infused throughout the course. Practicing conversations and active participation in and out of class are required. 3 credits. (F-S,Y)
Distribution: LA.

SLPA 11010 - Phonetics (3)
An introduction to the study of speech sounds used in the production of American English. Emphasis is placed on (1) sound to symbol transcription using the International Phonetic Alphabet, as well as (2) development of transcription speed and accuracy. Anatomy and physiology of the speech mechanism are introduced for the purpose of describing speech sound production. 3 credits. (F-S,Y)
Distribution: NLA.

SLPA 15000 - Introduction to Communication Disorders (3)
An introduction to speech, language, and hearing disorders. A variety of disorders in both children and adults is surveyed, including articulation and language disorders, stuttering, learning disability, cleft palate, cerebral palsy, voice disorders, and hearing losses. The study of these disorders includes incidence/prevalence, characteristics, causes, cultural and linguistic variations, and the impact of the disorder on the individual and society. The course is designed for and open to all students. 3 credits. (F-S,Y)
Distribution: 1,LA,SS.

SLPA 20800 - Perspectives on Deafness (3)
Examination of disability perspectives and alternatives to disability perspectives on deafness in the US. Discussion of issues related to child development (e.g., development of speech, language, and literacy) from an educational perspective. Discussion of intervention from an audiological perspective. Discussion of controversies inside and outside the deaf community related to educational and clinical interventions. Prerequisite: SLPA 10901. 3 credits. (S,Y).
Distribution: LA.

SLPA 20901 - American Sign Language II (3)
Students learn additional linguistic features, cultural protocols, and core vocabulary. Students practice using ASL grammar for giving directions, describing others, making requests, attributing qualities to others, and talking about family, occupations, and routines. Discussion of Deaf culture is infused throughout the course. Practicing conversations and videotaping use of ASL in and out of class are required. Prerequisites: SLPA 10901 with a grade of C- or better. 3 credits. (F-S,Y)
Distribution: HU,LA.

SLPA 21200 - Anatomy and Physiology of the Speech and Hearing Mechanisms (3)
Anatomy and physiology of the speech and hearing mechanisms; respiration, phonation, resonation, articulation, and basic neurological concepts underlying the communication process. Prerequisites: Second-semester freshman status. 3 credits. (F,Y)
Distribution: LA,NS.

SLPA 21600 - Normal Language and Literacy Development (3)
Introduces the student to the study of language and literacy development in children. Topics include prelinguistic development, components of language, theoretical models of language acquisition, individual differences, relationships between oral and written language, and cultural and linguistic variations in language development. Prerequisites: LNGS 23200. 3 credits. (F,Y)
Distribution: LA,SS.

SLPA 21900 - Language/Literacy Development in Children Age 3 to 21 (2)
An introductory course in the development of language and literacy in early childhood through adolescence, including an overview of the acquisition of language in normally developing children, the major theories of language development, an introduction to the development of literacy skills in children, and study of later language learning and reading/writing skills in adolescence. This course should be taken before student teaching. This course is open only to students outside the Speech-Language Pathology major. Prerequisites: Sophomore standing. 2 credits. (F-S,Y)
Distribution: NLA.
SLPA 22000 - Articulation and Phonological Development and Disorders (3)

A study of the normal articulation process, its development, and causes and characteristics of delayed and abnormal development; phonological development and the relationship among phonology and other language areas. Transcription of speech production errors, identification of articulatory and phonological error patterns, and assessment and treatment techniques are heavily emphasized. Prerequisites: SLPA 11010. 3 credits. (S,Y)

Distribution: NLA.

SLPA 23000 - Child Language Disorders: Assessment and Intervention (3)

An introduction to the study of developmental language disorders. The course examines characteristics of language disorders in the areas of syntax, grammatical morphology, semantics, and pragmatics. The course demonstrates how to incorporate established theory into language assessment and intervention practices. Formal and informal assessment procedures are reviewed. Intervention techniques are examined, and specific intervention experiences are designed and executed. Prerequisites: SLPA 21600. 3 credits. (S,Y)

Distribution: NLA.

SLPA 24000 - Basic Audiology (3)

Study of anatomy and physiology of the hearing mechanism, acoustics, auditory pathologies, classification of hearing disorders, and the profession of audiology. Additional topics covered include pure-tone and speech audiometry, immittance measures, and material of current interest. Prerequisites: Sophomore standing. 3 credits. (F,Y)

Distribution: NLA.

SLPA 24200 - Aural Rehabilitation (3)

Study of the perceptual, psychological, and educational implications of hearing loss. The course will focus on areas significant to the (re)habilitation of individuals with hearing loss, such as identification, evaluation, remediation, and counseling. Prerequisites: SLPA 24000. 3 credits. (S,Y)

Distribution: NLA.

SLPA 24900 - Hearing Loss in the Elderly (3)

Overview of the causes and psychosocial impact of hearing loss and of the most current diagnostic and remediation strategies employed to combat hearing disorders in the aged. Prerequisites: Sophomore standing or above. 3 credits. (F,Y)

Distribution: NLA.

SLPA 30901 - American Sign Language III (3)

Emphasis is placed on development of communicative competencies in ASL conversations beyond the basic level including telling life events, describing events in time, asking for clarification, correcting, conforming, elaboration on information, agreeing and disagreeing, resolving conflicts, and giving directions. Classroom and outside activities include practicing dialogues, short stories, narratives, and short conversation. Discussion of Deaf culture is infused throughout the course. Practicing conversations and videotaping use of ASL in and out of class are required. Prerequisites: SLPA 20901 with a grade of C- or better. 3 credits. (F,Y)

Distribution: NLA.
SLPA 35900 - Communication Disorders in the Aging Population (3)
Introduces the communication disorders common to older persons. Speech and language disorders, hearing disorders, and the role of allied health professionals are examined. Prerequisites: GER 10100; BIOL 20500 or PSYC 36600. 3 credits. (S, Y)
Distribution: LA, SS.
SLPA 36000 - Brain Science (3)
Addresses the amazing human brain and its capabilities. The course presents the neuroanatomical cortical, subcortical, and brain stem mechanisms that are functional during human communication, including vocal speech, speech comprehension, reading, and writing. Both neurological theories and some case studies will show the relationships between different lesion sites in the brain and the communication breakdowns that they produce. More broadly, the course will explore how nerve cells within neurological systems work together to accomplish memory and learning, feelings and emotions, and movement and perception, which are an integral part of the ability to communicate. Prerequisites: SLPA 21200. 3 credits (F, Y)
Distribution: LA, NS.
SLPA 36500 - Basic Speech Science (3)
Introduces the undergraduate student in speech-language pathology to topics in speech science. Areas covered include an overview of the acoustics of sound, the glottal spectrum, acoustics of consonant and vowel production and perception, suprasegmentals, and instrumentation. Prerequisites: SLPA 21200. 3 credits (S, Y)
Distribution: LA, NS.
SLPA 37000 - Clinical Observation (3)
An intensive clinical observation experience is provided in conjunction with classroom instruction focusing on designing individualized intervention programs, writing behavioral objectives, and general case management strategies. This course is only open to Speech-Language Pathology majors. Prerequisite: SLPA 22000 and SLPA 23000. 3 credits. (F-S,Y)
Distribution: NLA.
SLPA 39900 - Selected Topics in Speech-Language Pathology and Audiology (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
SLPA 39901 - Selected Topics in Speech-Language Pathology and Audiology (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
SLPA 39902 - Selected Topics in Speech-Language Pathology and Audiology (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
SLPA 39903 - Selected Topics in Speech-Language Pathology and Audiology (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
SLPA 39904 - Selected Topics in Speech-Language Pathology and Audiology (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)
SLPA 42900 - Tutorial in Speech-Language Pathology (1 to 3)
Intensive study in speech-language pathology for advanced students. The student presents a written proposal to an instructor who is chosen by the student to direct the tutorial. After the instructor agrees to direct the tutorial, copies of the proposal are forwarded to the student’s adviser and chairperson for final approval. This procedure must be completed prior to registration. Prerequisites: Junior standing; permission of adviser and department chair. 1-3 credits. (F-S,Y)
Distribution: NLA.
SLPA 44900 - Tutorial in Audiology (1 to 3)
Intensive study in audiology for advanced students. The student presents a written proposal to an instructor who is chosen by the student to direct the tutorial. After the instructor agrees to direct the tutorial, copies of the proposal are forwarded to the student’s adviser and chairperson for final approval. This procedure must be completed prior to registration. Prerequisites: Junior standing; permission of adviser and department chair. 1-3 credits. (F-S,Y)
Distribution: NLA.
SLPA 45400 - Speech and Language Disabilities in Educational Settings (3)
Focus on the organization and management of speech and language programs in a variety of settings, including categories of disability, identification and evaluation procedures, models of service delivery, evidence-based practice, a workload approach, cultural considerations, and the development of professional relationships. Implications of applicable federal and state statutes covering service provision also are discussed. Prerequisites: SLPA 37000. 3 credits. (F-S,Y)

Distribution: NLA.

SLPA 45900 - Communication Disorders in Culturally Diverse Populations (3)

Cultural pluralism as it relates to communication disorders in the United States; its impact on the professions of speech-language pathology and audiology; and sociolinguistic issues of dialect, communication style, and attitudes toward them. Discussion includes cultural factors that may influence the acquisition of speech and language; incidence and variation of specific speech and language disorders among diverse populations; assessment and treatment procedures that accommodate cultural differences; goal selection strategies; selection of unlisted materials; educational implications; and specific intervention cases. Prerequisites: SLPA 35200. 3 credits. (S,Y)

Distribution: NLA.

SLPA 47200 - Clinical Methods (3)

This capstone course provides in-depth discussion of the clinical process with emphasis on assessment and intervention strategies, therapy approaches, and principles. This course is open only to Speech-Language Pathology majors. Prerequisites: SLPA 37000. Corequisites: SLPA 47300. 3 credits. (F-S, Y)

Distribution: NLA.

SLPA 47300 - Clinical Practicum (1)

Applied, supervised clinical practicum experience in speech-language pathology that provides the opportunity to interact with clients. Involves developing and implementing a program of therapy, preparing lesson plans, and writing progress reports. Prerequisites: SLPA 37000. Corequisites: SLPA 47200. This course is only open to Speech-Language Pathology majors. 1 credit. (F-S, Y)

Distribution: NLA.

SLPA 47900 - Clinical Practicum (Advanced) (1)

Advanced clinical experience in speech-language pathology, including individual clinician-client contact. Involves preparation and implementation of a program of therapy, development of lesson plans, and writing of progress reports. Responsibilities include the clinical application of the principles and procedures developed in SLPA 47200. Prerequisites: SLPA 47200. 1 credit. (F-S,Y)

Distribution: NLA.

**SOCI - Sociology**

**SOCI 10100 - Introduction to Sociology (3)**

Basic scientific concepts related to social systems, recurring social processes, cultural factors, and social factors in the development of personality. Also offered through the London Center. 3 credits. (F-S,Y)

Distribution: 1,LA,SS.

**SOCI 10200 - Contemporary Sociological Issues (3)**

Various issues relevant to the future of American society from a sociological perspective. Issues covered vary with instructor. Not open to seniors. 3 credits. (Y)

Distribution: 1,LA,SS.

**SOCI 11600 - Introduction to Multicultural Studies (3)**

Designed to increase students' awareness of cultural diversity and to acquaint them with multiculturalism as a contemporary social phenomenon. The course describes characteristics of our culture and society that have led to intolerance and ethnic prejudices, characteristics that impede people's understanding and appreciation of diversity. Students are introduced to basic concepts, competing theories, and current controversies related to multiculturalism in our society as well as in others. Not open to seniors. 3 credits. (F,Y)

Distribution: 1,LA,SS.

**SOCI 13000 - Youth and Youth Cultures (3)**

Analysis of the significance of youth -- their culture and the institutions that have emerged to define and serve them. Topics include youth and politics, student movements, educational institutions, and stratification of youth by race, sex, and social class. The readings include novels and autobiographies, as well as sociological and historical analyses. Not open to seniors. 3 credits. (IRR)

Distribution: 1,LA,SS.

**SOCI 20100 - Introduction to Human Services (3)**

Introduction to the historical and contemporary fields of the human services and social welfare, with a focus on social service agencies and public policy. Prerequisites: Sophomore standing. 3 credits. (S,Y)

Distribution: LA,SS.

**SOCI 20200 - Women in Britain (3)**

Examination of the various social, historical, political, and economic factors that affect the position of women in contemporary Britain. Comparisons are drawn with specific issues in other Western countries. Prerequisites:
One course in social sciences. Offered only through the London Center. 3 credits. (F-S,Y)

Distribution: 1,LA,SO2,SS.

SOCI 20300 - Juvenile Delinquency (3)

Analysis of juvenile delinquency and its social reality. Systematic examination of issues in defining and measuring delinquency, theories of cause, gang behavior, the juvenile justice system, and issues and alternatives in response and treatment. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200. 3 credits. (Y)

Distribution: LA,SO2,SS.

SOCI 20400 - Sociology of Symbols and Representation (3)

This course explores how we socially construct meaning and how rules and meanings are represented and symbolically conveyed through everyday social and cultural life. Students are guided through exercises to uncover the underlying structures or implicit grammar of symbolic and representational practice. Students explore how objects, plants, animals, and events become symbolic and socially meaningful. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200. 3 credits. (Y)

Distribution: 1,LA,SO4,SS.

SOCI 20600 - Urban Sociology (3)

Growth of urbanization and the concomitant changes in function of such key community institutions as the family, education, religion, economy, and the polity. Included is the study of stratification and decision-making power in the community. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200. 3 credits. (Y)

Distribution: 1,LA,SO2,SS.

SOCI 20700 - Race and Ethnicity (3)

Critical analysis of race and ethnic relations in the United States from assimilationist, pluralist, and Marxist perspectives. Comparative analysis of black, Latino, and white racial/ethnic experiences. Examinations of race and ethnicity as dimensions of social stratification and control. Specific concepts include prejudice, discrimination, institutional racism, internal colonialism, and ethnic identification. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences or sophomore standing. 3 credits. (Y)

Distribution: 1,LA,SO2,SS.

SOCI 20800 - Social Change (3)

Analysis of evolutionary and revolutionary social change from the perspective of critical sociology. Topics include the types of groups that mobilize for change, recruitment of new members, ideologies of groups, and leadership styles. Particular U.S. social change movements examined include labor, civil rights, antiwar, welfare rights, women's movement, and the new right. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200. 3 credits. (Y)

Distribution: 1,H,LA,SO1,SS.

SOCI 21000 - Women's Lives (3)

Sociological analysis of womanhood. Consideration of the dynamics of race, class, historical moment, motherhood, and sexuality in defining and structuring women's lives. Feminist method of consciousness raising used in the analysis. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences. 3 credits. (F,Y)

Distribution: 1,LA,SO2,SS.

SOCI 21200 - Changing Contours of Work (3)

Consideration of the changing composition and organization of work and the impact workplace practices have on individuals and the larger social order. Examination of gender, race, class as intersecting with jobs and careers. Students research their own intended professions and consider how job demands in the new economy may affect their lives and those of others. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences. 3 credits. (F,Y)

Distribution: LA,SO3,SS.

SOCI 21300 - Sociology of Sexualities (3)

Examination of how sexuality is defined in our society, stressing that it is cultural as well as biological and often defined in oppressive ways. Students investigate how the intersection of gender with capitalism, race, ethnicity, and sexual orientation has a strong impact on the definition of sexuality. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences or sophomore standing. 3 credits. (S,Y)

Distribution: 1,LA,SO4,SS.

SOCI 21400 - Definitions of Normality (3)

Critical, analytical study of what it means to be outside the limits of society and of the processes that define normality in particular historical moments. Study of exclusion and normality focuses on those defined as "bad" (criminals, delinquents, sexual outsiders, addicts), "mad" (mental
patients), "sad" (blind, deaf, physically different), and "awe-ful" (freaks). This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200. 3 credits. (Y)

**Distribution:** 1, LA, SO4, SS.

**SOCI 21600 - Alternative Culture (3)**

Specifically addresses the problems of the design of alternative social forms, using as examples writing about utopias and current explorations in alternative lifestyles. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences or sophomore standing. 3 credits. (IRR)

**Distribution:** LA, SO1, SS.

**SOCI 21700 - Mental Health in Historical and Social Contexts (3)**

Explores the historical and contemporary contexts of mental health and distress from both sociological and psychological perspectives. Examination of the social construction of mental health through time, and consideration of how social and cultural factors such as race, class, and gender intersect with diagnostic paradigms and clinical treatment models employed by practitioners. Cross listed as PSYC 21700. Students may not receive credit for PSYC 21700 and SOCI 21700. Prerequisite: SOCI 10100 or PSYC 10300. 3 credits. (F, Y)

**Distribution:** LA, SS.

**SOCI 21800 - Individual and Society (3)**

Focuses on the dynamic relationship between the individual and society and how people, individually and collectively, influence and change society. Beginning with the fundamental and age-old question, How is social order possible?, the course examines the ways groups form and elaborate distinctive codes -- norms, roles, and values -- as well as the ways groups exert control over members' behavior. This leads to a second set of related questions: What is human nature? How are individuals trained (i.e., socialized) for participation in society and for different positions in society? Students learn that childhood socialization can be powerful and yet can be overwhelmed by situational forces and by various forms of immediate social influence. Explores interaction in everyday life by focusing on a perspective that sees individuals playing an active role in managing their behavior and their emotions. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences or sophomore standing. 3 credits. (IRR)

**Distribution:** 1, LA, SO4, SS.

**SOCI 21900 - Sociology of Religious Institutions (3)**

Much of sociological examination focuses on institutions. Those institutions include the family, politics, economics, medicine, education, and religion. Sociologists define religion as the social arrangement involving beliefs and practices of the sacred. Students in this course examine various aspects of the role of religious institutions in society, especially in relation to American society. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences. 3 credits. (IRR)

**Distribution:** 1, LA, SO3, SS.

**SOCI 22000 - Sociology of Aging (3)**

This course presents the prominent sociological theories and research about aging and the ways in which the experience of aging is socially constructed. Cross-listed with GERO 22000. Students may not receive credit for both SOCI 22000 and GERO 22000. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or GERO 10100. 3 credits. (IRR)

**Distribution:** LA, SO3, SS. Crosslisted as: GERO 22000.

**SOCI 22100 - Public Sociology (3)**

This course is an introduction to the field of public sociology, or the use of sociology to address questions of public concern. Students gain knowledge about the historical origins of public sociology in revolutionary and reform movements. They are familiarized with debates about its theory and practice and study contemporary issues in public sociology, including poverty, hunger, health care, and work. Students become familiar with modes of research in public sociology and practice presenting sociological analysis in various public media. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; and one additional course in the social sciences. 3 credits. (Y)

**Distribution:** LA, SS.

**SOCI 22200 - Visual Sociology (3)**

Visual sociology focuses on the visual dimensions of social life. It uses the sociological imagination to tell a story visually about social phenomenon such as gender, social status, cultural forms, and other social interactions in spatial contexts. Students learn how to create sociological portraits, to study sociological landscapes, to do studies on social traumas, and to study social representations. Students use visual media to communicate sociological understanding to professional and public audiences. This course offers students an opportunity to do qualitative observation and to explore ways in which the visual study of social phenomena contributes to sociological understanding. This course counts toward the individuals,
SOCI 22600 - Sociology of Hispanic Americans (3)
The Latino or Hispanic experience in the United States from a sociological perspective. Analysis of cultural traits and explanations of social behavior are developed and discussed as a case study within the larger U.S. culture. Social institutions and processes related to Hispanics are studied, such as mass media, language, education, religion, and social inequality. The course covers Hispanics in general, but focuses on the four largest groups: Mexican Americans, Puerto Ricans, Cubans, and Dominicans. Prerequisites: One course in sociology; sophomore standing. 3 credits. (IRR)
Distribution: 1,LA,SO3,SS.

SOCI 22800 - Men's Lives (3)
Sociological analysis of manhood. Consideration of the dynamics of race, class, historical moment, fatherhood, and sexuality in defining and structuring men's lives. Sociological concepts such as the social construction of gender, ideology, patriarchy, power, roles, and socialization are employed in developing an analysis of men and masculinity. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences or sophomore standing. 3 credits. (Y)
Distribution: 1,LA,SO4,SS.

SOCI 23500 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: One social science course. 3 credits. (IRR)
Distribution: 1,LA,SO3,SS.

SOCI 23501 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: One social science course. 3 credits. (IRR)
Distribution: 1,LA,SO3,SS.

SOCI 23502 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: One social science course. 3 credits. (IRR)
Distribution: 1,LA,SO3,SS.
majors and minors. Prerequisites: One social science course. 3 credits. (IRR)

Distribution: 1.LA,SO3,SS.

SOCI 23509 - Selected Topics in Social Institutions and Organizations (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: One social science course. 3 credits. (IRR)

Distribution: 1.LA,SO3,SS.

SOCI 23610 - American Jewish Life (3)

Exploration of contemporary Jewish life in the United States from a sociocultural perspective, looking at issues in the context of both Jewish and U.S. culture and history. Topics include immigrant background and experiences; ethnicity, class, and politics; responses to discrimination and social inequality; relations with other U.S. ethnic groups; changing family and gender relations; religious movements; secular Jewish culture; responses to international issues (Holocaust, Israel); American Jewish cultural diversity. Cross-listed with ANTH 23610. Students may not receive credit for both SOCI 23610 and ANTH 23610. Prerequisites: SOCI 10100. 3 credits. (Y)

Distribution: 1,H,LA,SS.

SOCI 23800 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 23801 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 23802 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 23803 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 23804 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 23805 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 23806 - Selected Topics in Individuals, Cultures, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 23807 - Selected Topics in Individuals, Cultures, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 23808 - Selected Topics in Individuals, Cultures, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)

Distribution: LA,SO4,SS.
COURSE DESCRIPTIONS

SOCI 23809 - Selected Topics in Individuals, Cultures, and Society (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO4,SS.

SOCI 24000 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24001 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24002 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24003 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24004 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24005 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24006 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24007 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24008 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24009 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24010 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24011 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24012 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24013 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24014 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24015 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24016 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24017 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24018 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24019 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24020 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24021 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24022 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24023 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 24024 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO2,SS.
Distribution: LA,SO1,SS.

SOCI 24604 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 24605 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 24606 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 24607 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 24608 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 24609 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: one social science course. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 24700 - Environmental Sociology (3)
In this course students examine how ideas about the environment are socially constructed and explore how different values and beliefs contribute to conflicts about conservation, preservation, and the well-being of humans and non-human beings. The course emphasizes the environment as a social issue and as a social problem. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors.
Prerequisite: One course in the social sciences. 3 credits. (IRR)
Distribution: LA,SO4,SS.

SOCI 25000 - Gender, The Environment and Global Change (3)
Explores interconnections between gender and the environment. Studies patriarchy, colonialism, capitalist development, globalization, and environmental crises. Special focus on case studies of social movements that challenge gender hierarchies and environmental degradation, including feminist, indigenous, and environmental justice movements. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: Sophomore standing. 3 credits. (F, Y)
Distribution: LA,SO1,SS.

SOCI 29200 - The Changing Family (3)
Examination of the variety of roles and diversity of forms the family has taken historically and cross-culturally. Stresses that there is no simple, constant definition of what a family is or does: families change as societies do. Students locate the specific economic, political, psychological, demographic, and other factors that both affect and are affected by changing family arrangements, while encountering a wide range of contemporary issues and researching their own family histories. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors.
Prerequisites: One course in the social sciences. 3 credits. (F, Y)
Distribution: LA,SO3,SS.

SOCI 29300 - Introduction to Social Institutions and Organizations (3)
Institutions are social arrangements that, more or less effectively, serve the interests of one or more groups of people. Social institutions include political, economic, health care, and religious systems, as well as the family and formal education. Organizations are the structural arrangements by which individuals encounter these institutions. Students in this course explore the parallels and differences between various types of institutions and organizations. They examine issues of power and ideology that affect institutional and organizational actors, including those with formal authority, subordinates, and clients. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: One course in the social sciences or sophomore standing or above. 3 credits. (F, Y)
Distribution: LA,SO3,SS.
Study of the kinds of social relationships generated by technology, exploring the following questions: How do technology and social structures relate to each other? What values, beliefs, and ways of thinking create contexts for new technology? How does technology create different values, beliefs, and ways of interpreting the world? How can new technology present opportunities to create different social organization? This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three courses in the social sciences. 3 credits. (IRR)

Distribution: LA,SO2,SS.

SOCI 30200 - Sociology of Crime (3)

Analysis of the social reality of crime and law, the patterns of criminal behavior, the political economy of crime, and the social organization of law enforcement (police arrest, trial, and sentencing). Crime and law are studied as settings in which social and political decisions are made. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses; sophomore standing. 3 credits. (Y)

Distribution: LA,SO2,SS.

SOCI 30300 - Global Race and Ethnic Relations (3)

Critical analysis of precursors of contemporary racial ideology, including right of conquest, polygenesis, monogenesis, social Darwinism, and eugenics. Analysis of major sociological theories of racial stratification, pluralism, and conflict. Topics include racism, capitalism, and imperialism; biology, culture, and race; the new ethnicity; comparative racial and ethnic stratification; and segmentation in the United States, Latin America, the Caribbean, Africa, and Southeast Asia. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three courses in the social sciences. 3 credits. (Y)

Distribution: 1,G,LA,SO2,SO4,SS.

SOCI 30700 - Social Policy (3)

Introduction to fundamental issues of social policy analysis. Issues are viewed within the context of both traditional and emergent theories of inequality, with an emphasis on the limitations of contemporary welfare-state social programs in reducing inequality. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three courses in the social sciences. 3 credits. (Y)

Distribution: LA,SO2,SS.

SOCI 30800 - Counseling Theory and Dynamics (3)

Presents theories about how people grow and change while increasing students’ awareness of how they grow, act, and react in a counseling or helping relationship. Study of how helping people relates to broader societal political issues, and how they connect in a political way to the larger society when engaged in a counseling or helping relationship. Prerequisites: Three courses in sociology and/or political science and/or psychology. 3 credits. (F,Y)

Distribution: LA,SS.

SOCI 30900 - Group Counseling (3)

Provides cognitive and experiential understandings of the function of “helping groups.” Students experience how different kinds of helping groups are appropriate for different objectives, while gaining an understanding of the range of skills and knowledge needed to be a competent group leader. Prerequisites: Three courses in sociology and/or political science and/or psychology. 3 credits. (S,Y)

Distribution: LA,SS.

SOCI 31000 - Civil Rights and Social Movements (3)

Uses the civil rights movements of the 1960s as a vehicle to explore theories of social justice and inequality. Themes include strategies for social change and conflict necessary for social transformation. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three courses in the social sciences. 3 credits. (F,S,Y)

Distribution: LA,SS.

SOCI 31100 - Sociological Theory (3)

Analysis and evaluation of some theories of society. Development of a critical framework within which to generate hypotheses of social structure and social change. Emphasis is placed on the historical and contextual nature of theory. Prerequisites: Majors and minors only; SOCI 10100 or SOCI 10200; three courses in the social sciences. 3 credits. (F-S,Y)

Distribution: LA,SS.

SOCI 31200 - Culture and Society: An International Field Experience (3)

Students meet during the term to analyze social conflicts in a particular country as preparation for a three-week trip following the semester. Focus is on racial and/or ethnic issues as seen through the eyes of residents in the host country. Specific topics vary depending on the host country but usually include internal relations among different groups, themes related to colonization experiences, and the experience of immigrants to the United States. Activities in the host country include class instruction; excursions to archaeological sites, as well as locations of contemporary interest; field trips to museums and colonial areas; and visits to urban and rural sectors. Students are required to pay all travel and trip-related expenses. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: Three courses in the social sciences; permission of instructor. 3 credits. (F or S,Y)
Distribution: G,LA,SO1,SS.

SOCI 31300 - Social Inequality (3)
Socioeconomic aspects of inequality, power, and social mobility in industrial societies. Examines Marxist and functionalist theories, with primary reference to empirical data on the contemporary American stratification system. This course counts toward the inequality core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; three courses in the social sciences. 3 credits. (Y)
Distribution: I,LA,SO2,SS.

SOCI 31400 - Sociology of Health and Medicine (3)
Analysis of contemporary issues of health and medicine using the concepts and theories of medical sociology and critical analysis. Topics include the sick role and labeling perspectives; analysis of practitioners; the social organization of medical care; social epidemiology; and contemporary critical debates in the field. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; three courses in the social sciences. 3 credits. (IRR)
Distribution: LA,SO3,SS.

SOCI 31600 - Women and Health (3)
Analysis of the conditions for and experiences of women as patients, from birth control to birthing to aging; analysis of women as health care providers, physicians, nurses, lay and alternative healers; and analysis of the women's health care movement. Examination of these issues within a broad historical and comparative framework (e.g., 19th-century feminism, 20th-century third-world activism). This course counts toward the social institutions and organizations core area requirement for sociology majors and minors.
Prerequisites: Three courses in the social sciences. 3 credits. (Y)
Distribution: LA,SO3,SS.

SOCI 31800 - Political Sociology (3)
Explores power and ideology at three levels: (1) the micro level of face-to-face interactions and small groups; (2) the intermediate level of organizations such as local and regional governments, mental institutions, and schools; and (3) the macro level of national societies. Considers how power systems are maintained and the conditions under which they are challenged and changed. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; two other courses in sociology or politics. 3 credits. (Y)
Distribution: LA,SO3,SS.

SOCI 31900 - Cultural Sociology (3)
This course explores the history of the idea of culture and how culture influences the social world. It examines how cultural ideas are constructed by groups and how they are enacted in everyday life. Students explore the ways in which cultural processes underlie the social organization of public perceptions, actions, and environments. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200 and two additional social science courses. 3 credits. (Y)
Distribution: LA,SO4,SS.

SOCI 32200 - Forms of Punishment (3)
Examination of punishment and its varied forms as defined by the social, political, and economic contexts within which they emerge. Students study asylums, jails, prisons, and other institutional forms of punishment, as well as all nonvoluntary forms of "treatment." Not limited to the study of stone walls and iron bars, as the architecture of power and punishment takes many forms. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses; sophomore standing. 3 credits. (Y)
Distribution: LA,SO3,SS.

SOCI 32300 - Family Violence (3)
Causes and manifestations of violence and abuse in the home. Explores wife beating, child abuse, sibling-related attacks, sexual abuse of children, incest, husband abuse, marital rape, and premarital violence. Students also delineate the institutions that breed and perpetuate this problem, as well as treatment approaches, prevention, and community responses. Prerequisites: SOCI 10100 or SOCI 10200; two additional courses in the social sciences. 3 credits. (Y)
Distribution: LA,SS.

SOCI 32400 - Sociology of Violence (3)
Examines theoretical frameworks that attempt to illuminate the origins of violence. Interpersonal, group, and collective forms of violence are analyzed; specific types of violence are studied in depth. Prerequisites: SOCI 10100 or SOCI 10200; two additional courses in the social sciences. 3 credits. (IRR)
Distribution: LA,SO4,SS.

SOCI 32500 - Race, Class, Gender and Sexuality (3)
This course is taught from the perspective that race, class, gender, and sexuality intersect to form a matrix of domination. The course is designed to help students develop the analytical tools needed to understand this perspective and apply it to specific situations, case studies, or fictional characters. Students will also be encouraged to
focus on both privilege and oppression and how they interact with each other. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (S,Y)

Distribution: LA,SO2,SS.

SOCI 32600 - Social Movements (3)
This course examines the emergence, achievements, failures, and possibilities of social movements in the United States and other countries. Through cases studies, historical documents, and ethnographies, students learn about peoples' struggles in the context of global capitalism, including liberation movements of people of color, workers, women, and indigenous people; they also learn about the lessons these movements offer for social change efforts today. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional courses in the social sciences. 3 credits. (Y)

Distribution: LA,SS.

SOCI 32700 - Work and the Family (3)
Analysis of the impact of work on family dynamics and the impact of family factors on work orientation. Topics include the roles and socialization of provider and homemaker, typologies of work and of family experience, and work and family in various historical periods and classes. Focus on dual-career families and policies regarding work and family. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional courses in the social sciences. 3 credits. (Y)

Distribution: LA,SO3,SS.

SOCI 32800 - Drugs and Society (3)
This course provides an overview of social science research on drug use, drug regulation, and media portrayals of drug use. Curricular area: Individuals, culture, and society. Prerequisites: SOCI 10100 or SOCI 10200; and junior-level standing. 3 credits. (F,Y)

Distribution: LA,SO3,SS.

SOCI 33500 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 33501 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 33502 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 33503 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 33504 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 33505 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 33506 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO3,SS.

SOCI 33507 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO3,SS.

SOCI 33508 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO3,SS.

SOCI 33509 - Selected Topics in Social Institutions and Organizations (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 33600 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 33601 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 33602 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 33603 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 33604 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 33605 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 33606 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 33607 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)
Distribution: LA,SO1,SS.
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO1,SS. 

SOCI 33700 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33701 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33702 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33703 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33704 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33705 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33706 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33707 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33708 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33709 - Selected Topics in Inequality (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO2,SS. 

SOCI 33800 - Selected Topics in Individuals, Culture, and Society (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO4,SS. 

SOCI 33801 - Selected Topics in Individuals, Culture, and Society (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. 
Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR) 
Distribution: LA,SO4,SS. 

SOCI 33802 - Selected Topics in Individuals, Culture and Society (3) 
Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture,
and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 33803 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 33804 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 33805 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 33806 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 33807 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; two additional social science courses. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 33808 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture,
treatment planning and implementation are also stressed. 
Corequisites: SOCI 34700. 3 credits. (Y)

Distribution: LA,SS.

SOCI 34700 - Supervised Fieldwork (3)

Designed to be taken concurrently with SOCI 34600, this 
course provides students with a fieldwork experience that 
augments and clarifies classroom material. There is a two-

hours-per-week group supervision meeting, as well as 
individual supervision, focusing on skills and specific 
situations encountered during fieldwork placements. 3 
credits. (Y)

Distribution: NLA,SS.

SOCI 35100 - Sociology of Education (3)

This course examines the role of education and the 
structure of educational institutions (including colleges and 
universities) in American society and studies the process 
by which skills, cultural norms, and cultural views are 
transmitted. It also explores the distribution of educational 
opportunity. These issues are dealt with at the level of the 
classroom, the school, and the community. The latter part 
of the course focuses on the creation of change in the 
educational system. This course counts toward the social 
institutions and organizations core area requirement for 
sociology majors and minors. Prerequisites: SOCI 10100 or 
SOCI 10200; two courses in the social sciences. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 35300 - Research Methods I (3)

Introduces students to the research methods used by 
sociologists. Topics include theories about causation; 
quantitative and qualitative methods of collecting and 
analyzing data; and the ethics and politics of social science 
research. Students conduct several small research projects 
to practice each of the methods introduced in the course. 
They also are introduced to basic statistical and 
quantitative analysis. Students take the first steps in 
conducting an original research project by formulating a 
research question and reviewing the relevant literature. 
Prerequisites: SOCI 10100 or SOCI 10200; two other 
sociology courses. 3 credits. (F-S,Y)

Distribution: LA,SS.

SOCI 35400 - Research Methods II (3)

A continuation of SOCI 35300. Students are guided 
through an original research project in which they prepare 
a research plan, including choosing a feasible method 
appropriate to their topic, and collect, analyze, and present 
data. Students also are taught more sophisticated 
approaches to statistical and quantitative analysis than in 
Research Methods I. Prerequisites: SOCI 35300. 3 credits. 
(F-S,Y)

Distribution: LA,SS.

SOCI 356100 - Social Welfare and Social Work (3)

Analysis of the role of the social worker as an agent of 
change. Development of a knowledge of the principles, 
values, and methods of social work. Students may do 
voluteer work in the community and are aided in securing 
summer fieldwork placement if desired. Prerequisites: One 
course in psychology; a social problems course; junior 
standing; permission of instructor. 3 credits. (F,Y)

Distribution: LA,SS.

SOCI 37600 - Poverty (3)

Examination of poverty in contemporary United States 
from three perspectives: (1) the ethnographic perspective -- 
understanding poverty through anthropological case 
studies, which is the emphasis in the course; (2) the holistic 
perspective -- examining the social and cultural context in 
which poverty exists, searching for causal factors; and (3) 
the applied perspective -- evaluating policy and programs 
for dealing with or eliminating poverty. Cross-listed with 
ANTH 37600. Students may not receive credit for both 
SOCI 37600 and ANTH 37600. This course counts toward 
the inequality core area requirement for sociology majors 
and minors. Prerequisites: SOCI 10100 or SOCI 10200; 
two courses in the social sciences. 3 credits. (Y)

Distribution: LA,SO2,SS.

SOCI 40100 - Community Organizing (3)

Designed to teach students about a range of approaches to 
community organizing. Exposes students to theories of 
organizing and requires practical fieldwork with a 
community or campus organization in which classroom 
instruction, information, and insights are tested and 
 Improved. This course counts toward the social change 
core area requirement for sociology majors and minors. 
Prerequisites: One of the following courses: SOCI 20800, 
SOCI 20700, or SOCI 32600; senior standing. 3 credits. 
(IRR)

Distribution: LA,SO1,SS.

SOCI 40200 - Society and Nature (3)

Explores the assertion that the central activity of the 
individual and collectivities of individuals must be 
ecological. Students are asked to investigate their capacity 
to be ecologically "knowing." What does it mean to define 
our relationships to the places in which we live? Where is 
this place? What is a relationship? What does it mean to 
"know" or to "experience" ecologically? Prerequisites: 
SOCI 10100; three courses in the social sciences with at 
least one at level 3. 3 credits (Y)

Distribution: LA,SS.

SOCI 40400 - Crisis Counseling (3)

Training in specific skills for dealing with people who are 
experiencing acute crises, with focus on both theory and
practice in crisis intervention. Prerequisites: PSYC 34100 or SOCI 30800. 3 credits. (S,Y)

Distribution: NLA.

SOCI 40800 - Counseling Methods (3)

Focus on how to create a conceptual framework to transform counseling theories into practice. Hands-on skill development in advanced interviewing and counseling techniques that may be applied in real-life settings. Prerequisites: PSYC 34100 or SOCI 30800. 3 credits. (F,Y)

Distribution: NLA.

SOCI 41200 - Seminar: The National Health System (3)

A study of the history, development, and function of the national health system in the context of the welfare state, education, housing, class structure, income, and politics in Great Britain. Comparison of the American and British health care schemes. Offered only through the London Center. 3 credits. (F-S,Y)

Distribution: L.A,SS.

SOCI 41400 - Seminar: Mental Health Intervention with Special Populations (3)

An advanced seminar that examines, from a sociological perspective, the form and content of therapeutic interventions with unique populations such as women, African Americans, individuals with disabilities, ethnic minorities, the aged, and homosexuals. The intersection of sex, class, racial, and ethnic factors relating to both clients and clinicians is also a major focus. A sociological analysis of major issues relevant to these special populations is stressed so that students can begin to identify areas of concern, skill requirements, structural designs, and specific areas of knowledge important in creating alternative intervention models. Prerequisites: SOCI 10100; at least four other sociology courses, including two at level 3. 3 credits. (F-S,Y)

Distribution: L.A,SS.

SOCI 41500 - Seminar: The Police (3)

Explores both the problems for society of policing its members and the social meaning of policing as experienced by individuals. Topics include the work of the police, relationships with the legal system, discretion and partiality, and current controversies about undercover operations, the use of deadly force, police crime, etc. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100; three upper-level sociology courses. 3 credits. (Y)

Distribution: L.A,SO3,SS.

SOCI 41600 - Seminar: Treatment and Prevention of Family Violence (3)

A follow-up to SOCI 32300; explores the international issues of abuse of women and children, as well as how service providers can deal with abuse within the family. Such problems as marital rape, elder abuse, child sexual abuse, wife battering, and gay and lesbian battering are looked at through the prism of treatment and prevention. Social policy issues are explored in depth. Prerequisites: SOCI 32300. 3 credits. (IRR)

Distribution: L.A,SS.

SOCI 41700 - Law and Society (3)

This course provides an overview of social science research on drug use, drug regulation, and media portrayals of drug use. Curricular area: Individuals, culture, and society. Prerequisites: SOCI 10100 or SOCI 10200; junior-level standing. 3 credits. (F,Y)

Distribution: L.A,SO4,SS.

SOCI 41900 - Seminar: Women in the Third World (3)

A seminar that exposes students to various issues affecting women in the third world. It helps broaden students' perspective and increase their awareness of issues such as motherhood, oppression, submission, sexuality, leadership, and feminism in the third world. Prerequisites: SOCI 10100; three courses in the social sciences. 3 credits. (IRR)

Distribution: G,L.A,SS.

SOCI 42100 - Seminar: Race, Racism, and the Law (3)

A seminar in which students synthesize much of what they have learned through the years about the development of racial relations in the United States. The role of race as a social concept is analyzed in conjunction with the social institutions of racism and law. Sociological theories and established and contemporary research findings are discussed and analyzed in the context of de jure and de facto segregation and discrimination. This course promotes understanding of the role that law has played in the support of racism in this country, as well as in the elimination of segregation and racial subordination. Prerequisites: SOCI 10100; one course in the race and ethnic relations concentration; two additional courses in the social sciences. 3 credits. (IRR)

Distribution: L.A,SS.

SOCI 42300 - U.S. Working Class (3)

A seminar that examines various aspects of the working class in the United States. The main focus is on class inequality and how that relates to both economic structures (national and global) and cultural hierarchies. The class will also expose students to some aspects of how our class structure interlocks with sexism, racism, and heterosexism. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social
science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO,SS.

SOCI 42400 - Global Sociology (3)

This course focuses on how people shape global change. The course examines social processes such as colonialism, development, and globalization by studying their institutions, manifestations, and the resistances they provoke. Throughout the course we examine the dynamic relationships between structural processes and resistance, agency and human initiatives. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three courses in the social sciences with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: G,LA,SO1,SS.

SOCI 42500 - Seminar: Sociological Feminist Theory (3)

A summary of various approaches to feminist theory within sociology: liberal, radical, socialist, ecofeminist, and third-wave feminist. Using a basic understanding of these perspectives, the course explores either current developments in feminist theory within sociology or responses from each approach to a particular issue. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: Three social science courses with at least one at level 3; senior standing. 3 credits. (Y)

Distribution: LA,SO2,SS.

SOCI 42800 - Simulating Social Processes (3)

Simulations and exercises have wide application in teaching research, policy planning, and sensitivity training. This course examines the theory behind simulations and uses simulations, games, and exercises to examine several key social issues, including organizing for social change, policy planning, stratification, power, racism, and sexism. Students design, run, and debrief social simulations. Prerequisites: SOCI 10100; three upper-level courses in sociology or another social science. 3 credits. (S,Y)

Distribution: LA,SS.

SOCI 43500 - Selected Topics in Social Institutions and Organizations (3)

Courses offered within the concentration core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 43501 - ST: Soc Inst & Org (3)
or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 43507 - Selected Topics in Social Institutions and Organizations (3)

Courses offered within the concentration core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 43508 - Selected Topics in Social Institutions and Organizations (3)

Courses offered within the concentration core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 43509 - Selected Topics in Social Institutions and Organizations (3)

Courses offered within the concentration core areas of sociological inquiry. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO3,SS.

SOCI 43600 - Selected Topics in Social Change (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 43601 - Selected Topics in Social Change (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 43602 - Selected Topics in Social Change (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 43603 - Selected Topics in Social Change (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 43604 - Selected Topics in Social Change (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 43605 - Selected Topics in Social Change (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO1,SS.
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 43609 - Selected Topics in Social Change (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the social change core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 43700 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 43701 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 43702 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing. 3 credits. (IRR)
Distribution: LA,SO2,SS.

SOCI 43703 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the inequality core area requirement for sociology majors and minors.
Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing. 3 credits. (IRR)
Distribution: LA,SO1,SS.

SOCI 43704 - Selected Topics in Inequality (3)
Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43801 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43802 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43803 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43804 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43805 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43806 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43807 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43808 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 43809 - Selected Topics in Individuals, Culture, and Society (3)

Courses offered within the core areas of sociological inquiry. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three social science courses with at least one at level 3; junior standing or above. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 44500 - Tutorial in Social Institutions and Organizations (3)

Intensive study of a limited topic with a small group of students. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: SOCI 10100; junior or senior standing; three courses in sociology; permission of instructor. 3 credits. (IRR)

Distribution: LA,SO3,UND.

SOCI 44600 - Tutorial in Social Change (3)
Intensive study of a limited topic with a small group of students. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three additional courses in sociology; permission of instructor. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 44601 - Tutorial in Social Change (3)

Intensive study of a limited topic with a small group of students. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three additional courses in sociology; permission of instructor. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 44602 - Tutorial in Social Change (3)

Intensive study of a limited topic with a small group of students. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three additional courses in sociology; permission of instructor. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 44603 - Tutorial in Social Change (3)

Intensive study of a limited topic with a small group of students. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three additional courses in sociology; permission of instructor. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 44700 - Tutorial in Inequality (3)

Intensive study of a limited topic with a small group of students. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three additional courses in sociology; permission of instructor. 3 credits. (IRR)

Distribution: LA,SO1,SS.

SOCI 44800 - Tutorial in Individuals, Culture and Society (3)

Intensive study of a limited topic with a small group of students. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: SOCI 10100 or SOCI 10200; three additional courses in sociology; permission of instructor. 3 credits. (IRR)

Distribution: LA,SO4,SS.

SOCI 46300 - Field Research (1 to 6)

Projects arranged individually at the student's request with individual instructors and with departmental approval. Prerequisites: Three courses in the social sciences. Variable credit. (F-S,Y)

Distribution: LA,SS.

SOCI 46500 - Honors in Sociology I (3)

The honors program in sociology is a two-semester capstone experience that recognizes the outstanding scholarship of sociology majors and minors. Students accepted into the sociology honors program engage in collaborative research in a new area of study or in a substantial extension of topics as developed in the honors seminar. Criteria for admission to the program: Majors: 30 credits in sociology, including SOCI 31100 Sociological Theory), SOCI 35000 Research Methods, or MATH 15500 Statistics or equivalent; 3.40 or higher GPA in sociology and 3.00 GPA overall. Minors: 18 credits in sociology, including SOCI 31100, SOCI 35000, or MATH 15500 or equivalent; 3.60 or higher GPA in sociology and 3.00 GPA overall. Students must complete both SOCI 46500 and SOCI 46600 to be eligible to receive honors in sociology. Prerequisites: Permission of instructor. 3 credits. (F,Y)

Distribution: LA,SS.

SOCI 46600 - Honors in Sociology II (3)

The honors program in sociology is a two-semester capstone experience that recognizes outstanding scholarship of sociology majors and minors. Students accepted into the sociology honors program engage in collaborative research in a new area of study or in a substantial extension of topics as developed in the honors seminar. Prerequisites: SOCI 46500; permission of instructor. 3 credits. (S,Y)

Distribution: LA,SS.

SOCI 47500 - Independent Studies in Social Institutions and Organizations (1 to 4)

A course within this concentration is arranged individually between student and instructor. A proposal for the topic and specific plans must be approved by the dean's office of the School of Humanities and Sciences. Prerequisites: Three courses in social sciences; permission of instructor. 1-4 credits. (F-S,Y)

Distribution: SO3,UND.

SOCI 47501 - Independent Studies in Social Institutions and Organizations (1 to 4)

Students pursue independent studies in an area of their choosing and meet as a group each week to share ideas and report on their progress. Students meet individually with the course professor on a regular basis to discuss their work. At the end of the semester students present their work in a formal symposium and turn in a final paper. This
course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: Three courses in social sciences; permission of instructor. 1-4 credits. (F,S,Y)
Distribution: LA,SO,UND.

**SOCI 47600 - Independent Study in Sociology (1 to 4)**

An independent study in sociology is arranged individually between student and instructor. Students are expected to do a sophisticated exploration and analysis of an appropriate topic. A proposal for the topic and specific plans must be approved by the dean’s office of the School of Humanities and Sciences. May be repeated for up to 12 credits total. Prerequisites: Three courses in social sciences; permission of instructor. 1-4 credits. (F-S,Y)
Distribution: LA,SS.

**SOCI 47601 - Independent Study in Sociology (1 to 4)**

An independent study in sociology is arranged individually between student and instructor. Students are expected to do a sophisticated exploration and analysis of an appropriate topic. A proposal for the topic and specific plans must be approved by the dean’s office of the School of Humanities and Sciences. May be repeated for up to 12 credits total. Prerequisites: Three courses in social sciences; permission of instructor. 1-4 credits. (F-S,Y)
Distribution: LA,SS.

**SOCI 47700 - Independent Study in Social Change (1 to 4)**

A course within this core area of sociological inquiry is arranged individually between student and instructor. A proposal for the topic and specific plans must be approved by the dean’s office of the School of Humanities and Sciences. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: Three courses in social sciences; permission of instructor. 1-4 credits. (F-S,Y)
Distribution: LA,SO,SS.

**SOCI 47800 - Independent Study in Inequality (1 to 4)**

A course within this core area of sociological inquiry is arranged individually between student and instructor. A proposal for the topic and specific plans must be approved by the dean’s office of the School of Humanities and Sciences. This course counts toward the individuals, culture, and society core area requirement for sociology majors and minors. Prerequisites: Three courses in social sciences; permission of instructor. 1-4 credits. (F-S, SUM, Y)
Distribution: LA,SO,SS.

**SOCI 48000 - Seminar on the Sociology of Pedagogy (1)**

Designed to supplement the practicum on teaching assistance and is required for teaching assistants in sociology courses. It presents the theoretical approach to teaching generally shared by sociology department faculty. A variety of pedagogical theories, including that of Paulo Freire, are examined using an ongoing analysis of the relationship between educational theories and larger social forces and historical conditions. The seminar meets as four half-day workshops during the semester. The seminar is team-taught by the instructors of courses that use teaching assistants. The format includes didactic presentation of theoretical material and discussion, along with focused papers on the reading. The required reading must be completed before the seminar workshop. In the workshop at the end of the semester, the text material is reviewed with analysis of its application in the teaching assistance experience. Prerequisites: SOCI 10100; three upper-level sociology courses; permission of instructor. Corequisites: SOCI 48100. 1 credit. (F-S,Y)
Distribution: LA,SS.

**SOCI 48100 - Practicum in Teaching Assistance (2)**

Leadership skills for leading educational discussion groups. Open to students who are acting as teaching assistants in sociology courses. Prerequisites: SOCI 10100; three upper-level sociology courses; permission of instructor. Corequisites: SOCI 48000. 2 credits. (F-S,Y)
Distribution: NL.

**SOCI 48200 - Research Methods Teaching Assistant (1 to 4)**

Teaching assistants tutor students on topics in the research methods courses. TAs work individually and with small groups of students to help them pursue an original research project. This includes helping students select topics, choose an appropriate method of research, design research tools, and collect, analyze, and present data and findings. TAs assist with class exercises. TAs also comment on drafts of student research papers. Students may repeat the experience one time but may not receive a total of more than 4 credits. Prerequisites: SOCI 35400; permission of instructor. 1-4 credits. (F-S,Y)
Distribution: NL.

**SOCI 48900 - Internship in Individuals, Cultures, and Society (1 to 12)**
Internships are arranged individually at the student's request with an instructor and a sponsoring agency and with departmental approval. Also offered through the London Center by special permission. This course counts toward the social sciences, culture, and society core area requirement for sociology majors and minors. Prerequisites: Three courses in the social sciences; permission of instructor. 1-12 credits. (F-S, SUM, Y)
Distribution: LA,SO4,SS.

SOCI 49500 - Internship in Social Institutions and Organizations (1 to 12)
Internships arranged individually at the student's request with an instructor and a sponsoring agency and with departmental approval. Also offered through the London Center by special permission. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: Three courses in the social sciences. Variable credit. (F-S)
Distribution: NLA,SO3,SS.

SOCI 49501 - Internship in Social Institutions and Organizations (2 to 6)
Students arrange for internships in local agencies. Students meet as a group each week to share experiences and report on their progress. Students meet individually with the course professor on a regular basis to discuss their work. This course counts toward the social institutions and organizations core area requirement for sociology majors and minors. Prerequisites: Sociology majors or minors who have completed three-quarters of the major or minor; permission of instructor. 2-6 credits. (F-S, Y)
Distribution: NLA,SO3.

SOCI 49700 - Internship in Social Change (1 to 12)
Internships are arranged individually at the student's request with an instructor and a sponsoring agency and with departmental approval. Also offered through the London Center by special permission. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: Sociology majors or minors who have completed three-quarters of the major or minor; permission of instructor. 1-12 credits. (F-S, SUM, Y)
Distribution: LA,SO1,SS.

SOCI 49800 - Internship in Sociology (1 to 12)
Internships arranged individually at the student's request with an instructor and a sponsoring agency, and with departmental approval. Also offered through the London Center by special permission. This course counts toward the social change core area requirement for sociology majors and minors. Prerequisites: Three courses in the social sciences. Variable credit. (F-S)
Distribution: NLA.

SOCI 49801 - Internship in Sociology (2 to 6)
Students arrange for internships in local agencies. Students meet as a group each week to share experiences and report on their progress. Students meet individually with the course professor on a regular basis to discuss their work. Prerequisites: Sociology majors or minors who have completed three-quarters of the major or minor; permission of instructor. 2-6 credits. (F-S, Y)
Distribution: NL.

SOCI 49900 - Internship in Inequality (1 to 12)
Internships are arranged individually at the student's request with an instructor and a sponsoring agency, and with departmental approval. Also offered through the London Center by special permission. This course counts toward the inequality core area requirement for sociology majors and minors. Prerequisites: Three courses in the social sciences; permission of instructor. 1-12 credits. (F-S, SUM, Y)
Distribution: LA,SO2,SS.

SPAN - Spanish

SPAN 10100 - Elementary Spanish I (0 to 3)
Beginning course. Practice in understanding, speaking, reading, and writing simple idiomatic Spanish with special attention to Spanish culture. Emphasizes participation and self-expression. Open to students with no previous Spanish, or by placement examination. 3 credits. (F-S, Y)
Distribution: 3A,G,HU,LA.

SPAN 10200 - Elementary Spanish II (0 to 3)
Continuation of SPAN 10100. Limited to students who have successfully completed SPAN 10100 with a grade of C or better, or by placement examination. Prerequisites: SPAN 10100 or equivalent. 3 credits. (F-S, Y)
Distribution: 3A,G,HU,LA.

SPAN 10400 - Intensive Elementary Spanish (0 to 3)
An accelerated introductory-level course for students who have previously studied Spanish. The course prepares students for SPAN 20100 by reviewing material covered in SPAN 10100 and presenting SPAN 10200 content. Students may not receive credit for both SPAN 10400 and SPAN 10100 or SPAN 10200. By placement only. 3 credits. (F-S, Y)
Distribution: 3A,G,HU,LA.

SPAN 20100 - Intermediate Spanish I (3)
Develops intermediate-level proficiency in speaking, listening, reading, and writing Spanish. Special emphasis is given to Spanish culture. Prerequisites: SPAN 10200 with a grade of C or better. 3 credits. (F-S, Y)
Distribution: 3A,G,HU,LA.
SPAN 20200 - Intermediate Spanish II (3)
Continuation of SPAN 20100. Develops intermediate-level proficiency in speaking, listening, reading, and writing Spanish. Special emphasis is given to Spanish culture. Prerequisites: SPAN 20100 with a grade of C- or better. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

SPAN 20300 - Spanish Intermediate Conversation (1)
An optional conversation course for students enrolled in SPAN 20100-20200 who want to maximize their conversational skills. May be repeated for a total of 2 credits. Does not count towards major or minor. Corequisites: SPAN 20100 or SPAN 20200. 1 credit. (F-S,Y)
Distribution: HU,LA.

SPAN 26600 - Spanish/Latin American Literature in Translation (3)
A study of one or more principal works of major Spanish and/or Latin American writers. Taught in English. Prerequisites: Sophomore standing and one course in the humanities. 3 credits. (IRR)
Distribution: HU,LA.

SPAN 29900 - Independent Study: Spanish (1 to 3)
Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: Permission of instructor and chairperson. 1-3 credits. (IRR)
Distribution: LA,UND.

SPAN 32100 - Advanced Spanish Grammar and Composition (3)
Development of complex grammatical, semantic, and syntactical skills through writing and correction, and through examining different examples of written and spoken Spanish (both literary and nonliterary). Students will develop a sense of the writing process as an interaction between writer and reader, purpose and message. Prerequisites: SPAN 20200 with a grade of C- or better, or equivalent. 3 credits. (F-S,Y)
Distribution: HU,LA.

SPAN 32200 - Experiencing Hispanic Literature (3)
Provides students with essential vocabulary for critical literary analysis, and introduces them to four literary genres (poetry, drama, fiction, and essay) through representative readings from both Spanish and Latin American literatures. Teaches students to read literature and write about it from an analytical perspective. Prerequisites: SPAN 32100. 3 credits. (F-S,Y)
Distribution: HU,LA.

SPAN 32300 - Conversation: Contemporary Issues (3)
Focuses on contemporary issues to develop students' speaking skills. Readings-based discussions, both literary and nonliterary, include ethical and moral issues, politics, youth culture, and technology and society. Prerequisites: SPAN 20200 with a grade of C- or better. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

SPAN 32400 - Conversation: The Spanish-Speaking World (3)
Focuses on issues specific to the Spanish-speaking world to improve students' speaking skills. Readings-based topics, both literary and nonliterary, include Hispanic presence in the United States, bilingual education, and language and cultural influences. Prerequisites: SPAN 20200. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

SPAN 33200 - Advanced Business/Professional Spanish (3)
Practice in speaking, reading, and writing Spanish, with an emphasis placed on business-oriented concepts and materials. Prerequisites: SPAN 32100 or SPAN 32200; SPAN 32300 or SPAN 32400. 3 credits. (S,O)
Distribution: HU,LA.

SPAN 33300 - Latin American Civilization and Culture (3)
An exploration of the people and cultures of the Caribbean, Central America, and South America. Traces the development of these regions from indigenous preconquest cultures to contemporary issues of globalization, while addressing ethnicity, gender, religion, class, and the arts. Prerequisites: SPAN 32100 and SPAN 32300. 3 credits. (F,Y)
Distribution: 1,G,H,HU,LA.

SPAN 33500 - Spanish Civilization and Culture (3)
Cultural exploration of Spain from its prehistory to the present. Topics include people, geography, politics, economy, literature, sciences, music, visual arts, gastronomy, and patterns of daily life. Prerequisites: SPAN 32100 and SPAN 32300. 3 credits. (S,Y)
Distribution: 1,G,H,HU,LA.

SPAN 33700 - Introduction to Spanish Literature (3)
An overview of Spanish literature from the Middle Ages to the present. Special attention will be given to literary movements and recurrent themes. Required for Spanish majors. Prerequisites: SPAN 32100 and SPAN 32200, or by placement examination. 3 credits. (F-S,Y)
Distribution: 3A,G,HU,LA.

SPAN 33800 - Introduction to Latin American Literature (3)
An overview of Latin American literature from the colonial period to the present. Special attention will be given to literary movements and recurrent themes. Required for Spanish majors. Prerequisites: SPAN 32100 and SPAN 32200, or by placement examination. 3 credits. (F-S-Y) Distribution: 3A,G,HU,LA.

SPAN 35000 - The Art of Translation: Spanish to English, English to Spanish (3)

Further study of the Spanish language through the art of translation. Students develop skills in English/Spanish and Spanish/English translation using a variety of texts (letters, literary selections, journalism, advertisements, and "how to" material). A close reading of the material translated helps the student focus on the nuances of each language and cultural differences. Prerequisites: SPAN 32100. 3 credits. (IRR) Distribution: HU,LA.

SPAN 38000 - Latino/a Culture through Literature (3)

This course examines, through literature, the experience and assimilation of Spanish-speaking immigrants to the United States -- at present, the nation's largest minority group. It will explore such themes as how Latino/a authors negotiate a path between two cultures and two languages; the presence of Hispanic/Latino groups in the United States; racism and classism; religion; popular culture and the role of women; and the importance of the family. Prerequisites: Three courses in the humanities or social sciences. Taught in English. 3 credits. (IRR) Distribution: HU,LA.

SPAN 39900 - Independent Study: Spanish (1 to 3)

Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: SPAN 32200 or SPAN 32300, or equivalent; permission of instructor and chairperson. 1-3 credits. (IRR) Distribution: LA,UND.

SPAN 39901 - Independent Study: Spanish (1 to 3)

Individual research, study, and/or writing on particular topics, supervised by a member of the department. Offered on demand only. Prerequisites: SPAN 32200 or SPAN 32300, or equivalent; permission of instructor and chairperson. 1-3 credits. (IRR) Distribution: LA.

SPAN 45000 - The Art of Translation: Spanish to English, English to Spanish (3)

Further study of the Spanish language through the art of translation. Students develop skills in English/Spanish and Spanish/English translation using a variety of texts (letters, literary selections, journalism, advertisements, and "how to" material). A close reading of the material translated helps the student focus on the nuances of each language and cultural differences. Prerequisites: SPAN 32100. 3 credits. (IRR) Distribution: HU,LA.

SPAN 45400 - Cervantes (3)

A study of "Don Quijote" and a selected group of "novelas ejemplares" (short stories) and plays, with particular reference to Cervantes's unique contribution to the modern novel and world literature. This course is offered in a four-year cycle with SPAN 45500, SPAN 45600, and SPAN 45700. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR) Distribution: HU,LA.

SPAN 45500 - Golden Age Drama (3)

The drama of Spain's golden age - the Renaissance and the baroque period - is one of the greatest achievements of world literature. We examine Spain's national drama, its precepts, and its literary tradition created by Lope de Vega and continued for more than 100 years, from 1580 to 1700, by other playwrights such as Calderón, Tirso de Molina, and Alarcón. Offered in a four-year cycle with SPAN 45400, SPAN 45600, and SPAN 45700. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR) Distribution: HU,LA.

SPAN 45600 - Golden Age Poetry (3)

The poetry of Spain's golden age - the Renaissance and baroque periods - is one of the greatest achievements of world literature. We examine the Italianate poetry of Garcilaso de la Vega, and his followers, and the development of lyrical poetry by other poets of the periods such as Fray Luis de León, Lope de Vega, Francisco de Quevedo, and San Juan de la Cruz. Offered in a four-year cycle with SPAN 45400, SPAN 45500, and SPAN 45700. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR) Distribution: HU,LA.

SPAN 45700 - Golden Age Prose (3)

The prose of Spain's golden age - the Renaissance and the baroque period - is one of the greatest achievements of world literature. We examine the origin and development of the picaresque novel, the pastoral novel, and short stories. Offered in a four-year cycle with SPAN 45400, SPAN 45500, and SPAN 45600. Prerequisites: SPAN 33700, SPAN 33800. 3 credits. (IRR) Distribution: HU,LA.

SPAN 46100 - Medieval Spanish Literature (3)

Study of representative texts of medieval Spain such as Poema de Mio Cid, Libro de Buen Amor, and La Celestina. Examines the coexistence of Christians, Jews, and Muslims, and their contributions to the development of
Western civilization. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (S,E)  
Distribution: HU,LA.

SPAN 46300 - Nineteenth-Century Spanish Literature (3)  
Study of representative works of naturalism, realism, and romanticism. Typical authors include Pardo Bazán, Galdós, and Rosalía de Castro. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR)  
Distribution: 3A,G,HU,LA.

SPAN 46400 - Contemporary Spanish Literature (3)  
A study of contemporary Spanish fiction, poetry, drama, and essays connecting literature to history, culture, politics, and art forms of the period through linguistic and textual analysis. Readings may include works from the Generación del '98 to the present. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR)  
Distribution: 3A,G,HU,LA.

SPAN 47100 - Latin American Fiction (3)  
Traces the development of a particularly Latin American voice through the readings of representative contemporary short stories and novels. Readings may include works by Martí, Azuela, Borges, Fuentes, Cortázar, García Márquez, Allende, and Ferré. Offered in a four-year cycle with SPAN 47200, SPAN 47300, and SPAN 47400. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR)  
Distribution: 3A,G,HU,LA.

SPAN 47200 - Latin American Poetry and Drama (3)  
Familiarizes the student with the writings of major Latin American poets from the colonial period to the present and with the works of contemporary Latin American dramatists. Offered in a four-year cycle with SPAN 47100, SPAN 47300, and SPAN 47400. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR)  
Distribution: 3A,G,HU,LA.

SPAN 47300 - Modernismo (3)  
Analysis of the poetical and prose work of "modernismo" (1888-1910), Latin America's first authentic literary movement. Emphasis is given to the study of the new aesthetics and to the desire of Latin America's writers to affirm a new cultural identity. Readings include selections from Martí, Casals, Darío, Silva, Lugones, Rodríguez, and others. This course is offered in a four-year cycle with SPAN 47100, SPAN 47200, and SPAN 47400. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR)  
Distribution: HU,LA.

SPAN 47400 - Topics in Latin American Literature (3)  
Studies literary themes within Latin American literature (e.g., the conquest and the colonial experience; Latin America's search for identity; the novel of the land; the dictator in Latin American fiction; revolution and fiction) and explores the relationship between Latin American fiction and reality. Offered in a four-year cycle with SPAN 47100, SPAN 47200, and SPAN 47300. May be repeated for a total of 6 credits when topics vary. Prerequisites: SPAN 33700 or SPAN 33800. 3 credits. (IRR)  
Distribution: 3A,G,HU,LA.

SPAN 49100 - Seminar (3)  
Study of selected topics in Spanish and/or Latin American literature and/or culture. Prerequisites: A minimum of two Spanish literature courses numbered SPAN 33700 or above. May be repeated for a total of 6 credits when topics vary. 3 credits. (F-S,Y)  
Distribution: 1,HU,LA.

SPAN 49900 - Honors Research (3)  
Individual research, study, and writing on particular topics, supervised by a member of the department and presented before a departmental committee. For students who meet the honors criteria as described in the undergraduate catalog. 3 credits. (IRR)  
Distribution: LA,UND.

SPMM - Sport Management and Media  
SPMM 11000 - Introduction to Sport Management (3)  
An investigation of the scope of the sport industry, a growing major business enterprise in the United States and in much of the world. Functions of management, skills, and attributes required of a sport manager, and roles of a manager are discussed. Attention is on how the managerial process is related to sport organizations and their products. Students become acquainted with career opportunities in the sport management field. 3 credits. (F-S,Y)  
Distribution: NLA,UND.

SPMM 11200 - Contemporary Issues in Sport Management (3)  
This course is designed to provide students opportunities to examine current issues and trends in the sports industry, research the wide range of career opportunities available in the industry, obtain work experiences in the sports industry, develop career plans in the field of sport management, and expand knowledge bases in using computer software programs that are most frequently used in the sport industry. Prerequisites: SPMM 11000; major in sport management or sport media. 3 credits. (S,Y)  
Distribution: NLA.

SPMM 20700 - History of Sport (3)
Focuses on the role of sport in past and contemporary societies. Consideration of sport as a microcosm of society, a mirror of American life. Political, economic, military, and societal issues of sports participation are carefully examined--how sport has shaped culture and has, in turn, been influenced by it. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)

Distribution: 1,H,HU,LA.

SPMM 21000 - International Sport Administration (3)

An analysis of sport in an international context. This course examines the scope of the sports industry internationally and introduces students to the wide range of career opportunities in the field of international sport management. In addition, this course examines the managerial process to include the functions of management, as well as the roles, skills, and attributes required of sport managers. Students will be introduced to problems/issues faced by international sport managers by analyzing and discussing actual case studies in sport management. Prerequisites: Sophomore standing. 3 credits. (IRR)

Distribution: NLA.

SPMM 24200 - Sport Video Production (3)

Students apply their introductory knowledge of preproduction planning, camera work, scriptwriting, editing, and interview techniques to create video packages dealing with local sport events. Students will complete their packages in a collaborative manner through all phases of fieldwork production. The emphasis is on improving the proper fundamentals and techniques needed for shooting sporting events while creating an interesting audio and visual perspective. Prerequisites: TVR 10100; SPMM 11000; sophomore standing. 3 credits. (Y)

Distribution: NLA.

SPMM 28500 - Sport Event and Facility Management (3)

Develops a student’s understanding of the competencies necessary to manage and operate sport, physical education, and public assembly facilities. The following topics will be addressed: scheduling the facility; box office management; security and supervision; safety and medical services; housekeeping and maintenance; concessions and merchandise; risk management and insurance; the conceptual and technical aspects related to the developing and operating of sport-related events; and the purchase and maintenance of equipment. Prerequisites: Sophomore standing; SPMM 11200. 3 credits. (F,S,Y)

Distribution: NLA.

SPMM 29200 - Minicourses in Sport Management and Media (1 to 3)

A series of short courses in specialized areas of sport management and media. Visiting lecturers and faculty of the school participate in areas of their expertise. Analyses of actual case studies focusing on sport management and media problems and issues confronted by sport managers helps students in further developing their critical thinking and problem-solving skills. Students conduct independent research in which they analyze a particular management problem/issue (case study), and develop and write strategies to effectively address the management problem/issue. May be repeated. Additional fee for course materials (see course schedule). Prerequisites: At least one SPMM course; refer to "Undergraduate Course Offerings" each semester. 1-3 credits. Pass/fail only. (IRR)

Distribution: NLA.

SPMM 29201 - Minicourse in Sport Management and Media (1 to 3)

A series of short courses in specialized areas of sport management and media. Visiting lecturers and faculty of the school participate in areas of their expertise. Analyses of actual case studies focusing on sport management and media problems and issues confronted by sport managers helps students in further developing their critical thinking and problem solving skills. Students conduct independent research in which they analyze a particular management problem/issue (case study), and develop and write strategies to effectively address the management problem/issue. May be repeated. Additional fee for course materials (see course schedule). Prerequisites: At least one SPMM course; refer to "Undergraduate Course Offerings" each semester. 1-3 credits. Pass/fail only. (IRR)

Distribution: NLA.

SPMM 29202 - Minicourse in Sport Management and Media (1 to 3)

A series of short courses in specialized areas of sport management and media. Visiting lecturers and faculty of the school participate in areas of their expertise. Analyses of actual case studies focusing on sport management and media problems and issues confronted by sport managers helps students in further developing their critical thinking and problem solving skills. Students conduct independent research in which they analyze a particular management problem/issue (case study), and develop and write strategies to effectively address the management problem/issue. May be repeated. Additional fee for course materials (see course schedule). Prerequisites: At least one SPMM course; refer to "Undergraduate Course Offerings" each semester. 1-3 credits. Pass/fail only. (IRR)

Distribution: NLA.

SPMM 29203 - Minicourse in Sport Management and Media (1 to 3)

A series of short courses in specialized areas of sport management and media. Visiting lecturers and faculty of the school participate in areas of their expertise. Analyses of actual case studies focusing on sport management and
media problems and issues confronted by sport managers helps students in further developing their critical thinking and problem solving skills. Students conduct independent research in which they analyze a particular management problem/issue (case study), and develop and write strategies to effectively address the management problem/issue. May be repeated. Additional fee for course materials (see course schedule). Prerequisites: At least one SPMM course; refer to "Undergraduate Course Offerings" each semester. 1-3 credits. Pass/fail only. (IRR)

Distribution: NLA.

SPMM 29204 - Minicourse in Sport Management and Media (1 to 3)

A series of short courses in specialized areas of sport management and media. Visiting lecturers and faculty of the school participate in areas of their expertise. Analyses of actual case studies focusing on sport management and media problems and issues confronted by sport managers helps students in further developing their critical thinking and problem solving skills. Students conduct independent research in which they analyze a particular management problem/issue (case study), and develop and write strategies to effectively address the management problem/issue. May be repeated. Additional fee for course materials (see course schedule). Prerequisites: At least one SPMM course; refer to "Undergraduate Course Offerings" each semester. 1-3 credits. Pass/fail only. (IRR)

Distribution: NLA.

SPMM 29300 - Minicourses in Sport Management and Media (1 to 3)

A series of short courses in specialized areas of sport management and media that meet College guidelines for liberal arts designations. In particular, this course will be theoretical in nature, requiring students to think about sport and its place in history, modern culture, and society. Visiting lecturers and faculty of the school participate in areas of their expertise. May be repeated. Additional course fee may be attached for course material; refer to course schedule. Prerequisites: Vary depending on the topic; refer to "Undergraduate Course Offerings" each semester. Pass/fail only. 1-3 credits. (IRR)

Distribution: LA.

SPMM 29500 - Social Aspects of Sport (3)

An investigation of the social significance of sport and the utilization of the sociological perspective for understanding the nature of sport. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)

Distribution: 1,LA,SS.

SPMM 29700 - Sport: Philosophical Perspectives (3)

An introduction to several philosophical perspectives on the meaning of sport as a human activity. An examination of selected philosophical issues or topics as they occur in sport. Prerequisites: Sophomore standing; SPMM 20700 or SPMM 29500. 3 credits. (F-S,Y)

Distribution: 1,LA.

SPMM 29800 - Gender Issues in Sport (3)

A study of the central role of gender in the formulation of understandings and expectations about sport in American culture. An overview of selected psychosocial, historical, and philosophical issues that shape the nature and scope of men's and women's participation in sport and physical activity. Particular emphasis is placed on the social construction of gender in sport, specifically the ways sport is used to reinforce a predominantly male value system, and how female and male sport experiences are defined and constrained by that system. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)

Distribution: 1,LA.

SPMM 29900 - The Evolution of Sport Media (3)

An analysis of the changing landscape of the sport media from the Industrial Revolution of the mid-19th century to its current configuration. Students examine relevant periods and events throughout American history and investigate the role the sport media played on the political, social, and technological climate of that time. The course will also try to debunk the myth that what goes on in today's sport media is dramatically different from bygone eras. Prerequisites: One course in the Department of Sport Management and Media; sophomore standing. 3 credits. (S,Y)

Distribution: 1,H,LA.

SPMM 30300 - Seminar in Sport Law (3)

In-depth analysis of the legal issues facing the sports industry, including how law is applied to amateur and professional sports organizations. Topics covered include the judicial process; intentional torts and negligence; product liability; contract law; constitutional law and selected current topics in law. Emphasis is on case analysis, including the social, ethical, political, and economic considerations of the impact of law on sport. Prerequisites: GBUS 20300; junior standing. 3 credits. (Y)

Distribution: NLA.

SPMM 31000 - Labor Relations in Sport (3)

Examination of the development, history, and legal aspects of the labor movement in sport. Discussion of collective bargaining process in sport and the impact that court cases, antitrust law, and arbitration decisions have had on professional sports. Analysis of resolutions to specific labor problems through simulated negotiations. Prerequisites: SPMM 11000 or SPMM 20700; junior standing. 3 credits. (F or S,Y)

Distribution: NLA.
SPMM 31500 - Sport Governance and Policy (3)
Theories of organization and leadership as applied to sport organizations. The governance structures and operational activities of professional team-sport leagues, intercollegiate athletics, the Olympic movement, and international sport associations will be analyzed. An examination of policy development in various areas of the sport enterprise. Review of case studies on current sport issues and problems. Prerequisites: MGMT 20600. 3 credits. (F,S,Y)
Distribution: NLA.

SPMM 32400 - Youth Sport in America (3)
Investigation of the social and cultural significance of the ways contemporary American society employs sport to foster moral development in children and adolescents. Focus is on historical antecedents of organized sport for children both in and outside the school setting. Significant attention is devoted to Little League baseball and to high school football and basketball. Prerequisites: SPMM 20700, SPMM 29500; junior standing. 3 credits. (IRR)
Distribution: LA.

SPMM 32500 - Sport Media Relations (3)
Deals with the workings and process behind executing the proper techniques of media relations in all facets of the sport industry. The media relations offices of college/university athletic departments or professional franchises act as liaisons between the school/team and the media. To better understand how both sides work to form this symbiotic relationship, sport organizations will be analyzed in terms of their organization and execution of promotion and marketing strategies. Prerequisites: Junior standing. Corequisites: SPMM 34900. 3 credits (F,Y)
Distribution: NLA.

SPMM 32600 - Sport Marketing (3)
Examination of the concepts and principles of promotion as applied to the unique aspects of sport. Analysis of the relationship between sport promotions and public relations strategies that are employed by the sport manager. Students develop promotional strategies and activities that can be applied in real-life sport organizations to enhance the public relations efforts of the organization. Prerequisites: One SPMM course; junior standing. 3 credits. (F,S,Y)
Distribution: NLA.

SPMM 33900 - Sport Publications (3)
Examines the operations and procedures behind the various arms of the print media. Students will learn about newspapers, magazines, and web publications by first analyzing their historical evolution and basic business models. The primary goal is to understand how these media outlets define their target audience, satisfy commercial obligations, and then create relevant and appealing material. Students will analyze the style and tone of the various media outlets by reading different publications and critiquing the presentation along with the substance of the words on the page. After the analytical work is completed, the second half of the semester will be based on students writing copy for newspapers, magazines, and web publications. The final goal is to produce a publication created solely by all the students in the class. Prerequisites: Completion of a 6-credit writing requirement; junior standing. 3 credits. (S,Y)
Distribution: NLA.

SPMM 34900 - Fieldwork in Sport Management and Media (1 to 6)
Practical experience in amateur and professional sport agencies and community sport organizations. Focus is on observation, guided learning, and supervised practical experiences. Prerequisites: Sport management and sport media majors only; junior standing or above; permission of department chair. 1-6 credits. (F,S,Y)
Distribution: NLA.

SPMM 34901 - Fieldwork in Sport Management and Media (1 to 6)
Practical experience in amateur and professional sport agencies and community sport organizations. Focus is on observation, guided learning, and supervised practical experiences. Prerequisites: Sport management and sport media majors only; junior standing or above; permission of department chair. 1-6 credits. (F,S,Y)
Distribution: NLA.

SPMM 35200 - Financial Aspects of Sport (3)
Basic theory in finance applied to managerial control of sport organizations. Included are forms of ownership, taxation, financial analysis, feasibility studies, and economic impact studies. Prerequisites: SPMM 11000; ECON 12200; ACCT 22500. 3 credits. (Y)
Distribution: NLA.

SPMM 35600 - Sport Economics (3)
Application of economic theory to the markets of professional and amateur sports. This course applies economic principles to analyze a wide range of issues within the realm of professional sports and intercollegiate athletics. Included are the analysis of labor markets and labor relations, public finance of sports facilities, and the organization of sports institutions. Prerequisites: SPMM 11000; ECON 12100; ECON 12200. Cross listed with ECON 36500. Students may not receive credit for both SPMM 36500 and ECON 36500. 3 credits. (F,Y)
Distribution: LA,SS.

SPMM 38500 - Sport Consumer Behavior and Sales (3)
Investigation, analysis, and application of consumer behavior theories and sales strategies in the sport industry.
Recognizing the vital synthesis between the two topics, students will explore how individuals make consumption decisions; fan identification; and the psychosocial consequences of fandom. Application of concepts to create and appreciate successful sales techniques. Prerequisites: SPMM 11000; SPMM 32600; and at least junior standing; sport management and sport media majors only. 3 credits. (F-S, Y)

Distribution: NLA.

SPMM 39000 - Sport Internet Marketing (3)
This course is designed to develop a student's understanding of how to use the Internet to market in sport. This course will include the following topics: the utilization of the web in sport marketing; the importance of usability analysis in Internet marketing; the development of Internet marketing plans; interactivity of the Internet; customer relations management on the Internet; media/public relation on the Internet; and evaluating web content. Prerequisites: SPMM 11000; MKTG 31200; COMP 11000 or EXSS 13900 and junior standing. 3 credits. (IRR)

Distribution: NLA.

SPMM 39400 - Sport in Film and Literature (3)
Investigation of the sociocultural and mythic dimensions of contemporary sport as represented in selected films and fiction. Prerequisites: Junior standing; SPMM 29700. 3 credits. (S,Y)

Distribution: L.A.

SPMM 39700 - The Olympic Games (3)
Investigation of the historical, cultural, and sociopolitical significance of the Olympic Games, both ancient and modern. These perspectives further a deeper understanding of the nature of sport. Prerequisites: SPMM 20700, SPMM 29500, or SPMM 29700; junior standing. 3 credits. (IRR)

Distribution: L.A.

SPMM 39900 - Selected Topics in Sport Management and Media (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

SPMM 39902 - Selected Topics in Sport Management and Media (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: NLA.

SPMM 39903 - Selected Topics in Sport Management and Media (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: NLA.

SPMM 39910 - Selected Topics in Sport Management and Media (1 to 3)
Topics of current interest to faculty and students. Experimental courses are offered under this course number and title. This course may be repeated for credit for different selected topics. Prerequisites: As appropriate to topics. 1-3 credits. (IRR)

Distribution: NLA.

SPMM 40700 - Sport in the Civil Rights Movement (3)
Investigation of the role sport and prominent athletes played during the course of the civil rights movement. Specific analyses will include Jesse Owens's and Joe Louis's roles in the confrontation with Nazi Germany; Jackie Robinson's breaking the color barrier in major-league baseball; Muhammad Ali's defiance of the draft during the Vietnam War; and the Olympic Games boycott movement of 1968. Group projects by students are presented in a public setting at the conclusion of the semester. Prerequisites: SPMM 20700; SPMM 29500; SPMM 29700; one SPMM 3xxxx LA course. 3 credits. (IRR)

Distribution: L.A.

SPMM 41000 - Sport Policy (3)
An examination of policy development in various areas of the sport enterprise. Covers the theory and role of policy development through a review of case studies on current sport issues and problems. In addition, students select for research a sport issue or problem in a particular sport organization or setting. Students are then guided through independent research projects aimed at developing and writing policies to address the real-life issue or problem. Prerequisites: SPMM 11000; SPMM 32600; senior standing. sport management major. 3 credits. (F-S,Y)

Distribution: NLA.
SPMM 41500 - Strategic Management in Sport (3)

Integrates the various disciplines studied in sports management to develop strategic management plans. Examines strategic positions taken by leaders of actual sport organizations. Provides students opportunities to develop managerial decision-making and leadership skills. Prerequisites: SPMM 11000; SPMM 31500; SPMM 32600; senior standing; sport management major. 3 credits. (F-S,Y)

Distribution: NLA.

SPMM 45000 - Independent Study in Sport Management and Media (1 to 3)

Individual study program for the investigation of special issues or topics in the field of sport management and media that have such breadth of cultural material or psychological material, such rigor and depth of theoretical structure, or such play of broad intellectual and aesthetic themes as to be classified liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Sport Management and Media; permission of the department chair. 1-3 credits. (F-S,Y)

Distribution: L.A.

SPMM 45001 - Independent Study in Sport Management and Media (1 to 3)

Individual study program for the investigation of special issues or topics in the field of sport management and media that have such breadth of cultural material or psychological material, such rigor and depth of theoretical structure, or such play of broad intellectual and aesthetic themes as to be classified liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Sport Management and Media; permission of the department chair. 1-3 credits. (F-S,Y)

Distribution: L.A.

SPMM 45002 - Independent Study in Sport Management and Media (1 to 3)

Individual study program for the investigation of special issues or topics in the field of sport management and media that have such breadth of cultural material or psychological material, such rigor and depth of theoretical structure, or such play of broad intellectual and aesthetic themes as to be classified liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Sport Management and Media; permission of the department chair. 1-3 credits. (F-S,Y)

Distribution: L.A.

SPMM 45003 - Independent Study in Sport Management and Media (1 to 3)

Individual study program for the investigation of special issues or topics in the field of sport management and media that have such breadth of cultural material or psychological material, such rigor and depth of theoretical structure, or such play of broad intellectual and aesthetic themes as to be classified liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Sport Management and Media; permission of the department chair. 1-3 credits. (F-S,Y)

Distribution: L.A.

SPMM 45100 - Independent Study in Sport Management and Media (1 to 3)

Individual study program for the investigation of special issues or topics in the field of sport management and media that are so professional, practical, or applied in nature that they cannot be classified as liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Sport Management and Media; permission of the department chair. 1-3 credits. (F-S,Y)

Distribution: NLA.

SPMM 45101 - Independent Study in Sport Management and Media (1 to 3)

Individual study program for the investigation of special issues or topics in the field of sport management and media that are so professional, practical, or applied in nature that they cannot be classified as liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Sport Management and Media; permission of the department chair. 1-3 credits. (F-S,Y)

Distribution: NLA.

SPMM 45102 - Independent Study in Sport Management and Media (1 to 3)

Individual study program for the investigation of special issues or topics in the field of sport management and media that are so professional, practical, or applied in nature that they cannot be classified as liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Sport Management and Media; permission of the department chair. 1-3 credits. (F-S,Y)

Distribution: NLA.

SPMM 45103 - Independent Study in Sport Management and Media (1 to 3)

Individual study program for the investigation of special issues or topics in the field of sport management and media
that are so professional, practical, or applied in nature that they cannot be classified as liberal arts. Arranged individually between student and faculty sponsor according to guidelines available from the department. Prerequisites: Major or minor in the Department of Sport Management and Media; permission of the department chair. 1-3 credits. (F-S,Y)

Distribution: NLA.

STCM 46000 - Internship in Sport Management and Media (6 to 12)

Supervised work experience in amateur or professional sport agencies and community sport organizations. Student assumes a leadership role in various job-related activities and performs administrative tasks in support of such activities under an experienced agency supervisor and faculty sponsor. Prerequisites: SPMM 34900; permission of department chair. 6-12 credits. (F-S,Y)

Distribution: NLA.

**STCM - Strategic Communication**

**STCM 10200 - Professional Development I (1)**

First in a series of three modules on the development of professional competencies and identity in strategic communication fields. Includes assessment and self-analysis of individual skills, talents, and values as they align with diverse professional roles and career trajectories in the field. Overview of industry structure. Strategies and tactics for professional network management and conceptual models for professional portfolio design. Enrollment limited to communication management and design majors and integrated marketing communications majors. This is a block course. 1 credit. (Y)

Distribution: NLA.

**STCM 10300 - Introduction to Strategic Communication (3)**

Introduction to the fundamental theories, concepts, and applications of strategic communication to meet a variety of organizational goals. Provides an overview of practices in communication management, learning, and design, and integrated marketing communications. Describes how these elements can be combined to create seamless programs that affect the various publics of businesses and not-for-profit organizations, and how such programs increase organizational value and effectiveness. Students investigate issues that challenge contemporary organizations by analyzing case studies, conducting research, and designing possible solutions from multiple perspectives. This is a cross-listed course; students can only receive credit for either TVR 10300 or STCM 10300. 3 credits. (F-S)

Distribution: LA.

**STCM 10800 - Communication in Organizations (3)**

An introductory examination of human communication in organizations, with an opportunity to develop the skills necessary to approach organizational communication situations. Includes the use of mediated communication for skill development and evaluation. 3 credits. (F-S)

Distribution: LA,SS.

**STCM 11100 - Presentation Media and Visual Design (3)**

Introduction to the planning, design, production, and delivery of presentations using media, including posters, slide presentations, computer graphics, and websites. Emphasis on systematic design and production, critical application of visual literacy, and graphic design principles to instructional, informational, and motivational messages. Students' projects focus on creative use of these media in organizational settings. Practical experience in graphic design layout, pictorial composition, image manipulation, website design, and presenting to audiences. 3 credits (F-S)

Distribution: NLA.

**STCM 12300 - Systems Thinking and Design (3)**

An introduction to the perspectives and approaches of systems science and design, particularly emphasizing the usefulness of their combination in planned change in organizations. Sample topics include: thinking across and beyond disciplines; systems types and views; complexity; rational and creative (out-of-control) processes; and the consequences of innovation. Most assignments and projects are set in the context of organizational communication and learning, but their relevance and value extend well beyond. 3 credits. (Y)

Distribution: LA,SS.

**STCM 15000 - Professional Applications of Technology (3)**

Introduction to professional tasks, and the preparation of a broad range of communications and learning materials using technology tools. Hands-on practice designing organizational communications, presentations, training materials, and project management reports. Emphasis given to planning, problem solving, decision making, professional responsibilities, and ethics. Review of computer software tools and concepts. Introduction to roles and tasks of communications/learning professionals. 3 credits (Y)

Distribution: NLA.

**STCM 20200 - Professional Development II (1)**

Second in a series of three modules on the development of professional competencies and professional identity, specifically tailored for students in strategic communication fields. Focus on methods of reflective practice and transferring classroom learning into professional practice. Overview of projected developments and trends, especially increasing integration, in the various fields of strategic communication. Guest speakers...
represent various communication occupations, industries, and professional organizations. Enrollment limited to communication management and design majors and integrated marketing communications majors. This is a block course. Prerequisite: STCM 10200. 1 credit. (Y)

Distribution: NLA.

STCM 20400 - Virtual Teams (3)

An exploration of the communication and collaboration challenges faced by hybrid and virtual work teams. A focus on teams as emergent sociotechnical systems. Students develop an understanding of team attributes, dynamics, and processes as well as a practical set of basic facilitation and assessment skills to enhance team effectiveness across multiple computer-supported tasks. Prerequisites: STCM 10300, STCM 10800, CMST 11500, or permission of the instructor; Sophomore standing. 3 credits. (IRR)

Distribution: NLA.

STCM 20500 - Audience Research (3)

Provides an introduction to ethical, effective, and efficient methods of collecting and analyzing qualitative and quantitative data to study attitudes and behavior. Emphasis is on the use of data in planning integrated marketing communication campaigns. Research skills will be practiced and evaluated, and opportunities will be provided for combining research methods to identify, describe, and evaluate audiences of integrated marketing communication campaigns. Prerequisites: STCM 10300. 3 credits. (F-S)

Distribution: LA,SS.

STCM 21000 - Instructional Design (3)

An introduction to theories, processes, and practices associated with workplace learning and performance. Major topics include learning theory, designing training, computer based learning, organizational learning, and performance improvement. Prerequisites: STCM 10300, STCM 12300 or STCM 22200. 3 credits. (Y)

Distribution: NLA.

STCM 21100 - Corporate Communication: Strategy and Design (3)

This course is intended to give students a strong foundation in the strategy and design of corporate communication programs for internal and external communication. Students will use theories, principles, and practices of corporate communication to assess contemporary strategies and communication efforts and will gain experience in strategic design for both internal communication (e.g., employee communication, change communication, knowledge management) and external communication (e.g., communication with investors and the community, interorganizational communication, crisis communication, customer and government relations). Prerequisites: STCM 10300 or 3 credits in communication. 3 credits. (Y)

Distribution: NLA.

STCM 22000 - Interactive Media (3)

Provides hands-on experience in designing and creating interactive multimedia projects. An examination of the theoretical bases and applications of interactive media informs students' decisions in designing their projects. Student projects focus on instructional, promotional, and informational applications of these web-based technologies. Prerequisites: COMP 11100, COMP 10500, or STCM 11100; sophomore standing. 3 credits. (IRR)

Distribution: NLA.

STCM 23000 - Meeting and Event Management (3)

Provides theoretical grounding and practical skills in meeting and event management. Students learn to design, manage, lead, and critique decision-making and information-sharing meetings, corporate training courses and symposia, trade shows, conferences, online "webinars" and collaboration, and special events. Student groups practice facilitation, decision-making, and event-planning skills in developing actual class tours and guest speaker presentations. Prerequisites: STCM 10300 or STCM 10800. 3 credits. (Y)

Distribution: NLA.

STCM 23200 - Public Relations (3)

Defines public relations functions and processes. Examines public relations history, ethics, theories, tactics, specializations, and career opportunities. Prerequisites: Sophomore standing. 3 credits. (F-S)

Distribution: LA,UND.

STCM 23400 - Promotional and Instructional Video (3)

Introduction to the theory and practice of video design and production in corporate and other organizational settings. Emphasis is placed on the nature of corporate, industrial, instructional, and not-for-profit video; program formats; and beginning field production and postproduction using digital video tools. Prerequisites: STCM 10300 or TVR 12400. 3 credits. (IRR)

Distribution: NLA.

STCM 24000 - Organizational Writing and Publishing (3)

Through theory and practice this course examines the roles of and techniques for creating, producing, and printing materials such as public relations materials, newsletters, and annual reports. Students use desktop publishing software for writing and layout assignments and examine the effects of design and dissemination decisions on internal and external audiences. Prerequisites: A 100-level writing course and STCM 11100. 3 credits. (Y)
Distribution: NLA.

STCM 24100 - Advertising (3)
A survey of the history, organization, operation, and regulation of the advertising industry. Emphasis is placed on the economics of advertising, including rate structures, media analysis, and demographics, and on the creation and evaluation of advertising. Prerequisites: Sophomore standing. 3 credits. (F-S)

Distribution: LA.

STCM 25100 - Organizational Culture and Conflict (3)
Examination of the role communication practice plays as both the foundation of organizational culture and the means by which organizational conflict is expressed and negotiated. Focus is on the role of communication in framing and sustaining organizational culture, as well as how modes of communicating and mediating conflict are manifestations of an organization's culture. Review of the value-based, symbolic, and ritualistic foundations of conflict as it occurs between members of organizations, as well as between organizations and the public. Includes the use of appropriate case studies to amplify communication issues. Prerequisites: STCM 10800 or sophomore standing. 3 credits. (IRR)

Distribution: LA,SS.

STCM 29200-29299 - Minicourses in Communications (1)
A series of short courses in specialized areas of communications that do not meet the College guidelines for liberal arts designation. Visiting lecturers and faculty of the school participate in areas of their expertise. May be repeated. These courses do not count toward required strategic communication electives. Prerequisites: Vary depending on the topic; refer to Undergraduate Course Offerings each semester. Pass/fail. 1 credit. (IRR)

Distribution: NLA.

STCM 29300-29399 - Minicourses in Communications (1)
A series of short courses in specialized areas of communications that meet the College guidelines for liberal arts designation. Visiting lecturers and faculty of the school participate in areas of their expertise. May be repeated. These courses do not count toward required strategic communication electives. Prerequisites: Vary depending on the topic; refer to Undergraduate Course Offerings each semester. Pass/fail. 1 credit. (IRR)

Distribution: LA.

STCM 29600 - Audience Research and Media Planning (3)
Survey of the major forms of audience research in television and radio, with particular emphasis placed on the Nielsen and Arbitron ratings reports. Covers principles of sample surveys; interpretation of audience data; and application to programming, promotion, and sales.

Prerequisites: TVR 12100; TVR 26000 or PSYC 20700. 3 credits. (F-S)

Distribution: NLA.

STCM 30000 - Crisis Communication (3)
Emphasizes the process by which individuals and organizations strategically manage various types of social, political, environmental, and organizational disasters or emergencies. The course explores multiple layers and levels of a crisis and the communication issues that develop, especially in terms of rebuilding the community. These communication issues are then applied to a current crisis. Prerequisites: STCM 21100 or STCM 23200. 3 credits. (IRR)

Distribution: NLA.

STCM 30200 - Professional Development III (1)
Third in a series of three modules on the development of professional competencies, specifically tailored for students in strategic communication fields. Focus on understanding professional identity, ethics, and responsibilities of communication professionals in organizations. Prepares students to strategically market their knowledge, competencies, and transferable skills in their chosen fields, including completion and review of their professional portfolio. Discussions explore how to achieve long-term career growth and development. Enrollment limited to communication management and design majors and integrated marketing communications majors. This is a block course. Prerequisite: STCM 20200. 1 credit. (Y)

Distribution: NLA.

STCM 30300 - Serious Games (3)
Simulation and games are essential tools used for training and education in a variety of industries including business, health care, government, education, and military. The course examines the combination of game design with learning theory. The focus is on the understanding the relevant research on motivation, game design methods, and how people learn from games in order to design a serious game. Students will create examples and prototypes of their serious game designs. Prerequisites: STCM 21000 or TVR 20900. 3 credits. (Y)

Distribution: NLA.

STCM 30900 - Media Planning (3)
Advanced application of the qualitative and quantitative study of media audiences, including broadcast, print, out-of-home, online, mobile, and social media, with particular emphasis placed on measures of audience composition, coverage, and engagement, and the interpretation and application of audience data to media planning for integrated marketing communication campaigns.
Prerequisites: STCM 10300; TVR 12100; STCM 20500 or PSYC 20700. 3 credits. (F-S)
Distribution: NLA.

STCM 31000 - Organizational Speech Writing and Interviewing (3)
The role of the organizational communication specialist includes many functions, two of which are addressed in this course. The organizational interviewing function focuses on dyadic and group situations where information is gathered, evaluated, and sometimes shared, such as selection, appraisal, and focus group interviews. The organizational speech-writing function focuses also on the production and dissemination of information and includes audience analysis and manuscript writing. Students prepare and conduct interviews, write speeches, and critique both the execution and underlying dynamics of each.
Prerequisites: STCM 10800, SPCM 11000, or SPCM 11500; two courses in communications, speech communication, or culture and communication. 3 credits. (IRR)
Distribution: H,LA,UND.

STCM 31100 - Government and Stakeholder Relations (3)
Explores how organizations are held accountable for their actions and decisions by various constituencies. Through case study analyses, students will investigate dialectical tensions, challenges, and issues that surface in strategically managing different stakeholders -- investors, government agencies, and communities. Students will learn about their own and organizations' expectations for ethical and social corporate responsibility, both in domestic and international contexts. Prerequisites: STCM 21100. 3 credits. (F, E)
Distribution: NLA.

STCM 32000 - Leadership Communication (3)
Examines the theories and practices of participatory leadership in organizational settings. Specific attention is given to communication skills, media applications, and problem-solving and decision-making formats.
Prerequisites: Three courses in communications; junior standing. 3 credits. (Y)
Distribution: L,A,SS.

STCM 33000 - Advertising Copywriting and Art Direction (3)
Focuses on building a strategy to meet marketing communication goals with effective advertising across a variety of media. Students will learn, think, and communicate through both copy and visuals as they gain experience in conceptualizing, designing, and writing messages for media. Students will learn how to create and present such messages, as well as how to analyze and evaluate their persuasiveness. Prerequisites: STCM 24100. 3 credits. (F-S)
Distribution: NLA.

STCM 33200 - Writing for Public Relations (3)
Fundamentals of writing for public relations. Emphasis is placed on format requirements of materials submitted to the media; writing for a client; persuasion in writing; and clarity, flow, and other elements of proper public relations writing style. Provides applications using news release, feature, article, editorial, and financial report formats.
Prerequisites: STCM 23200. 3 credits. (F)
Distribution: NLA.

STCM 33300 - Applied Corporate Event Management (3)
The application of communication and project management principles to complex organizational events such as training seminars, product launches, fund-raising events, and conferences, providing students an opportunity to work on and critique the planning and execution of an actual event. Each student is assigned an event and conducts structured observations of meetings and activities of the event team, reflecting on current issues and trends from readings and lectures. The student is also assigned specific duties in the planning, execution, and/or evaluation stages of the event, and produces a professional portfolio and project notebook that documents and reflects on the competencies they developed. Prerequisites: STCM 23000. 3 credits. (IRR)
Distribution: NLA.

STCM 34000 - Research and Evaluation in Strategic Communication (3)
An examination of basic research and evaluation methods (including qualitative, quantitative and mixed-methods approaches) in applied communications settings. Emphasis is placed on theoretical bases, procedures, and ethical considerations. Skills are developed in application of techniques as well as in interpretation and criticism of studies in corporate communication, integrated marketing communications, and instructional technology. The course will focus on the methods to identify, describe, and evaluate stakeholders, determine message effectiveness, and improve strategies and communications. Enrollment limited to strategic communication majors or minors, integrated marketing communications majors, and culture and communication majors. Prerequisites: Junior standing. 3 credits. (F-S)
Distribution: L,A,SS.

STCM 36500 - Communication in International Organizations (3)
This course explores the relationship between organizational communication and culture in the context of international organizations. In particular, it focuses on communication process and structure, emphasizing the creation and interpretation of messages aimed at persuasion and influence, as well as learning, training, and
performance. Prerequisites: Three courses in communications; junior standing. 3 credits. (IRR)

Distribution: LA, SS.

STCM 37100 - Websites that Work (3)

Advanced concepts involved in developing Internet and intranet sites for organizations including planning, design, implementation, maintenance, and evaluation. Emphasis is placed on site structure, content, navigation, aesthetics, and technology. The course combines lectures, classroom exercises, and case studies to provide an in-depth understanding of website implementation in the workplace. Prerequisites: STCM 21000 or COMP 20100. 3 credits. (IRR)

Distribution: NLA.

STCM 38000 - E-Learning (3)

The theory and practice of designing web-based multimedia that help people learn. Concepts of interactivity, feedback, perception, and learning are studied. Students integrate knowledge of instructional design with development skills in designing, developing, and evaluating an online project for an Ithaca College faculty member. Prerequisites: STCM 21000 or COMP 20100. 3 credits. (IRR)

Distribution: NLA.

STCM 39000 - Selected Topics in Strategic Communication (3)

Exploration and analysis of a specific area of communication. Topics vary based on student demand and on faculty expertise and research interest. Course content and pedagogical methods meet the College guidelines for liberal arts designation. May be repeated once. Not a production course. Total number of credits in any combination of STCM 39000, STCM 39010, 22x-41200, and 22x-41210 may not exceed 6. Prerequisites: Junior standing; others vary depending on the topic. Refer to Undergraduate Course Offerings each semester. 3 credits. (IRR)

Distribution: LA.

STCM 39010 - Selected Topics in Strategic Communication (3)

Exploration and analysis of a specific area of communication. Topics vary based on student demand and faculty expertise and research interests. Course content and pedagogical methods do not meet the College guidelines for liberal arts designation. May be repeated once. Total number of credits in any combination OCLD 39000, OCLD 39010, TVR 41200, GCOM 41200, OCLD 41200, TVR 41210, GCOM 41210, OCLD 41210, STCM 39000, STCM 39010, STCM 41200, or OCLD 41210 may not exceed 6. Prerequisites: Junior standing; others vary depending on the topics. Refer to Undergraduate Course Offerings each semester. 3 credits. (IRR)

Distribution: NLA.

STCM 41200 - Workshop in Strategic Communication (1 to 6)

Individual assignments designed to provide advanced applied experiences based on students’ program and career goals. Specific projects may involve production or communication analysis and design; projects are determined jointly by the student and a faculty adviser and must have departmental approval. Students may take a second semester of this course with approval of the instructor. Total for STCM 41200 and STCM 49900 may not exceed 6 credits. Prerequisites: Junior standing. 1-6 credits. (F-S)

Distribution: NLA.

STCM 42000 - Integrated Marketing Communications Lab (3)

A capstone course that applies key components of integrated marketing communications including advertising, public relations, brand positioning, and sales promotion. Students complete a client project that requires research and development of integrated strategies to achieve specific marketing objectives. Students will also analyze relevant cases and apply principles and best practices to their client engagement. Prerequisites: TVR 12100; STCM 23200; STCM 24100; MKTG 31200; integrated marketing communications major or minor. 3 credits. (S)

Distribution: LA.

STCM 43000 - Brand Design and Communication (3)

An advanced course that focuses on the communication process of redesigning a corporate brand for an existing corporation or organization. After defining a company’s essence, character, and purpose, students design and execute a corporate image across various forms of internal and external communications. Requires conceptual thinking and creative execution, and culminates in a comprehensive branding campaign for a specific company suitable for inclusion in a creative portfolio. Prerequisites: Integrated marketing communications major or minor; junior standing; STCM 33000 and STCM 33200. 3 credits. (F)

Distribution: NLA.

STCM 43400 - Management of Strategic Communication (3)

Capstone course examining management principles and practices for communication and workplace learning professionals. Topics include developing department operations budgets, strategic planning and organizational alignment, identifying client needs, requests for proposals, senior management relations, communicating value, developing policies and procedures, assessing employee performance, project management, and change
management practices. Students carry out a project for a client to investigate a communications/learning problem and design an intervention. Enrollment limited to CMD and IMC majors and minors. Prerequisites: Senior standing. 3 credits. (S)

Distribution: NLA.

STCM 44000 - Public Relations Lab (3)
An advanced workshop dedicated to the planning of an actual public relations case study, including analysis of the publics involved and the media options for the practitioner; planning, budgeting, and scheduling; and development of problem-solving messages, actions, and/or events. For advanced students in business or communications or for those planning a career in public relations. Prerequisites STCM 23200; STCM 33200, STCM 33000, WRTG 31100, or STCM 34000. (F,Y)

Distribution: NLA.

STCM 44100 - Ad Lab (3)
The essentials of advertising campaign planning, including media strategy, positioning, and ad design, culminating in a comprehensive plan for a specific product. For advanced students in marketing or communications or for those planning a career in advertising. Prerequisites: STCM 24100; STCM 20500; STCM 30900; STCM 33000; acceptance of portfolio. 3 credits. (S)

Distribution: NLA,UND.

STCM 44500 - Performance Improvement (3)
Broad study of how factors such as learning, motivation, work environment, group interaction, communication, and management come together to influence individual and organizational performance. Includes methods for understanding these factors and for making positive change in the performance of individuals and organizations. Topics include needs analysis, performance analysis, task analysis, system modeling, and design of nontraining interventions. Involves preparing a consulting project for an organization. Prerequisites: STCM 21100 or STCM 23200; STCM 34000 or TVR 29600; and senior standing. 3 credits. (Y)

Distribution: NLA.

STCM 44000 - Critical Issues in Organizations: Theory, Application, and Policy (3)
Explores the implications of new and emerging issues confronting communication, collaboration, and learning in organizations. Students integrate communication, learning, and management theories as well as previous learning experiences to investigate the organizational, ethical, and policy implications of one or more multidimensional issues such as changing workplace demographics, emerging technologies, new organizational structures, globalization, or knowledge management. Enrollment limited to communication management and design, integrated marketing communications, and culture and communication majors and minors. Prerequisites: Senior standing. 3 credits. (F) SS LA

Distribution: LA,SS.

STCM 49000 - Internship (1 to 6)
Jointly supervised work experience with a cooperating institution or organization in the field of communications, intended to motivate the intern toward professional growth through observation and participation, to provide an opportunity to meet active professionals, and to stimulate career planning. Skills and academic knowledge will be put into practice. May be repeated. Total may not exceed 12 credits, including London and Los Angeles internships. Enrollment limited to strategic communication majors or minors. Prerequisites: Junior standing; completion of the Park School internship procedures. 1-6 credits. Pass/Fail only. (F-S)

Distribution: NLA.

STCM 49800 - London Communications Internship (3 to 6)
A limited number of internships with cooperating institutions or organizations are available to communications majors. The jointly supervised work experience offers the opportunity to learn through observation and participation in a professional setting. Prerequisites: Junior or senior standing; completion of Park School internship procedures; approval of the dean in the semester preceding the London registration. Pass/fail only. 3-6 credits. (F-S) See "London Center."

Distribution: NLA,UND.

STCM 49900 - Independent Study (1 to 6)
Intensive study under the supervision of a faculty adviser. Possible topics include instructional design and evaluation, organizational communication analysis and evaluation, and the adoption and evaluation of new technologies such as
multimedia or teleconferencing. Comprehensive research paper (not a project) is required. May be repeated for a total of no more than 6 credits; total of CMD 49900 and CMD 41200 may not exceed 6 credits. Enrollment limited to strategic communication majors. Prerequisites: Junior standing. 1-6 credits. (F-S)  
Distribution: LA.

**TCED - Teacher Education**

TCED 21100 - Mentoring in the Community (2)  
Ithaca College students work as mentors with area high school students who have been identified as having aptitude for, but limited access to, college education. Mentors meet regularly with the high school students, providing social and academic reinforcement to support their option to attend college. Prerequisites: Completion of application form; sophomore standing or above; permission of instructor. All students must take TCED21000 before enrolling in TCED21100. 2 credits. (F,Y)  
Distribution: NLA,SS.

TCED 49900 - Independent Study in Education (1 to 3)  
Program of special reading and research arranged by a student with a particular faculty member. Prerequisites: TCED20000, TCED21000-TCED21100, or TCED34000; senior standing or the equivalent. 1-3 credits. (F-S)  
Distribution: HU,NLA.

**THEA - Theatre Arts**

THEA 10000 - Introduction to the Theatre (3)  
Survey of theatre practices and principles in the various aspects of theatrical production. Examination of how plays are constructed, using examples from different eras of the world theatre. Occasional guest speakers. Required attendance at selected productions. 3 credits. (F,S,Y)  
Distribution: 3B,FA,LA.

THEA 10100 - Stagecraft (2)  
Introduction to all aspects of physical production including: scenery, costumes, lighting, sound, properties, paint, and stage management. Corequisites: THEA 11000. 2 credits. (S,Y)  
Distribution: NLA.

THEA 10200 - Technical Theatre Practicum (1)  
Introductory participation in technical production activities for the department. May be repeated for a total of 8 credits. 1 credit. (F-S,Y)  
Distribution: NLA.

THEA 10300 - Costume Construction for Non-Majors (3)  
Introduction to the tools, supplies, and techniques of costume construction with an emphasis placed on developing basic skills. Not open to majors in Theatre Production Arts. 3 credits. (F,O)  
Distribution: NLA.

THEA 10400 - Introduction to Theatrical Design (3)  
Introduction to the theories and methodologies of theatrical design, including the areas of scenic, costume, lighting, and sound design. Focuses on the analysis, interpretation, visualization and auralization of dramatic work. 3 credits. (F-S,Y)  
Distribution: FA,LA.

THEA 10900 - Introduction to Musical Theatre Performance (3)  
Introduction, exploration, and integration of basic musical and theatre performance skills through the selection, analysis, rehearsal, and presentation of scenes from musicals. Not open to B.F.A. musical theatre majors; admission by audition. Prerequisites: permission of instructor. 3 credits. (IRR)  
Distribution: NLA.
THEA 11000 - Theatre Production I (1)
Introductory participation in technical and design production activities. Prepares students for crew supervision. May be repeated once. Prerequisites: B.F.A. theatrical production arts majors only. 1 credit. (F-S,Y)
Distribution: NLA.

THEA 11100 - Theatrical Drafting and Model Building (3)
Introductory studio course in theatrical drafting and scale model construction. Emphasis on use of drafting tools, interpretation and execution of ground plans, sections and elevations, model materials and scale construction tools. Prerequisites: B.F.A. theatrical production arts majors only. 3 credits. (S,Y)
Distribution: NLA.

THEA 11200 - Theatre Technology I: Scenery (3)
Introduction to and practical experience in general theatre technology and scenery construction, including: theatre geography and machinery, tools, shop and safety procedures. Prerequisites: B.F.A. theatrical production arts major. 3 credits. (F,Y)
Distribution: NLA.

THEA 11300 - Theatre Technology I: Costumes (3)
Introduction to practical experience in general costume technology and construction including sewing, patterning, and fabrics. Prepares students for costume project management. Prerequisites: B.F.A. Theatrical Production Arts majors only. 3 credits. (S,Y)
Distribution: NLA.

THEA 11400 - Theatre Technology I: Lighting and Sound (3)
Introduction to and practical experience in theatre lighting and sound technologies, including: basic electrical principles, installation and use of theatre equipment, and the responsibilities and duties of a theatrical master electrician and sound engineer. Prerequisites: B.F.A. theatrical production arts majors only. 3 credits. (S,Y)
Distribution: NLA.

THEA 11600 - Theatre Technology I: Properties and Paint (3)
Introduction to and practical experience in theatre properties and scenic painting, including: production, materials and techniques. Prerequisites: B.F.A. theatrical production arts majors only. 3 credits. (S,Y)
Distribution: NLA.

THEA 12000 - Theatrical Design Foundations (3)
An in-depth foundational introduction to the art of theatrical design, focusing on the theories, methodologies and techniques used by professional scenic, costume, lighting and sound designers. Focus on the analysis, interpretation, visualization and auralization of dramatic work, as well as on the approaches necessary to communicate the designer’s analysis and interpretation of dramatic works. Prerequisites: B.F.A. theatrical production arts majors only. 3 credits (F, Y)
Distribution: FA,LA.

THEA 13000 - Script Analysis for the Theatre (3)
Close examination of the play script/libretto as the basic element in theatre. Study of the script/libretto as the diagram for theatrical production. Texts drawn from classics and contemporary theatre; assignments include oral discussion, and written analyses of scripts/librettos. Prerequisites: Theatre arts major. 3 credits. (F,Y)
Distribution: 3A,3B,FA,G,H,LA.

THEA 13100 - Acting I (3)
Introduction to the art of acting, with an emphasis placed on acting technique and study of scenes and/or monologues. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

THEA 13200 - Acting II (3)
Continued exploration of acting technique and study of scenes and/or monologues. Prerequisites: THEA 13100. 3 credits. (F-S,Y)
Distribution: 3B,FA,LA.

THEA 13300 - Scene Study I (2)
Study of fundamental theories, vocabularies, and methodologies of acting techniques. Class discussion, readings, analysis of dramatic texts and active learning assignments prepare the student for the rehearsal and performance of scenes. Prerequisites: B.F.A. acting and musical theatre majors only. Corequisite: THEA 13500. 2 credits. (F,Y)
Distribution: FA,LA.

THEA 13400 - Scene Study II (3)
Continuation of THEA 13300. Further study of fundamental theories, vocabularies, and methodologies of acting techniques to prepare for rehearsal and performance of scenes. Emphasis placed on more complex analysis of scenes and characters. Prerequisites: B.F.A. acting or musical theatre majors only; THEA 13300. Corequisites: THEA 13600. 3 credits. (S,Y)
Distribution: FA,LA.

THEA 13500 - Voice and Movement for the Stage I (2)
Laboratory in concentration and self-awareness through physical awareness, control, and flexibility -- the dynamics necessary for the creation of a strong voice and stage
THEA 13900 - Rehearsal and Performance (0 to 2)

Laboratory participation in rehearsal and performance of a major departmental production. Students receive credit for assignments in acting or musical performance. Music students must enroll in MUMC 14000. Evaluated by the faculty member in charge of the designated areas of specialization. Evaluation is based on degree of professional attitude and quality of performance. May be repeated for a total of 8 credits. Prerequisites: Appropriate academic and performance courses relative to the student's activity and/or successful audition for assignment to the major production. 0-2 credits. (F-S, Y)

Distribution: NLA.

THEA 13901 - Rehearsal and Performance (0 to 2)

Laboratory participation in rehearsal and performance of a major departmental production. Students receive credit for assignments in acting or musical performance. Music students must enroll in MUMC 14000. Evaluated by the faculty member in charge of the designated areas of specialization. Evaluation is based on degree of professional attitude and quality of performance. May be repeated for a total of 8 credits. Prerequisites: Appropriate academic and performance courses relative to the student's activity and/or successful audition for assignment to the major production. 0-2 credits. (F-S, Y)

Distribution: NLA.

THEA 13902 - Rehearsal and Performance (0 to 2)

Laboratory participation in rehearsal and performance of a major departmental production. Students receive credit for assignments in acting or musical performance. Music students must enroll in MUMC 14000. Evaluated by the faculty member in charge of the designated areas of specialization. Evaluation is based on degree of professional attitude and quality of performance. May be repeated for a total of 8 credits. Prerequisites: Appropriate academic and performance courses relative to the student's activity and/or successful audition for assignment to the major production. 0-2 credits. (F-S, Y)

Distribution: NLA.

THEA 13903 - Rehearsal and Performance (0 to 2)

Laboratory participation in rehearsal and performance of a major departmental production. Students receive credit for assignments in acting or musical performance. Music students must enroll in MUMC 14000. Evaluated by the faculty member in charge of the designated areas of specialization. Evaluation is based on degree of professional attitude and quality of performance. May be repeated for a total of 8 credits. Prerequisites: Appropriate academic and performance courses relative to the student's activity and/or successful audition for assignment to the major production. 0-2 credits. (F-S, Y)

Distribution: NLA.

THEA 13904 - Rehearsal and Performance (0 to 2)

Laboratory participation in rehearsal and performance of a major departmental production. Students receive credit for assignments in acting or musical performance. Music students must enroll in MUMC 14000. Evaluated by the faculty member in charge of the designated areas of specialization. Evaluation is based on degree of professional attitude and quality of performance. May be repeated for a total of 8 credits. Prerequisites: Appropriate academic and performance courses relative to the student's activity and/or successful audition for assignment to the major production. 0-2 credits. (F-S, Y)

Distribution: NLA.

THEA 13905 - Rehearsal and Performance (0 to 2)

Laboratory participation in rehearsal and performance of a major departmental production. Students receive credit for assignments in acting or musical performance. Music students must enroll in MUMC 14000. Evaluated by the faculty member in charge of the designated areas of specialization. Evaluation is based on degree of professional attitude and quality of performance. May be repeated for a total of 8 credits. Prerequisites: Appropriate academic and performance courses relative to the student's activity and/or successful audition for assignment to the major production. 0-2 credits. (F-S, Y)

Distribution: NLA.

THEA 15000 - Theatre Management Practicum (1 to 3)

Laboratory participation in management activities for the department. Evaluation by the faculty member in charge is based on the degree of professional attitude, activity, and performance. May be repeated for a maximum of 9 credits. Prerequisites: Permission of instructor. 1-3 credits, variable. (F-S,Y)

Distribution: NLA.
THEA 20100 - Introduction to Puppetry (3)
Introduction to the art of puppetry, including performance techniques. Exploration of history of puppetry and puppets across cultures. Involves research, design, creation and manipulation of puppets. Prerequisites: Sophomore standing. 3 credits. (IRR)
Distribution: FA,LA.
THEA 20300 - Theatrical Makeup (1)
Study of materials and principles governing the application of theatrical makeup. 1 credit. (IRR)
Distribution: NLA.
THEA 21000 - Theatre Production II (2)
Technical supervision or design assignment in production for the department. May be repeated twice for a maximum of 4 credits. Prerequisites: B.F.A. theatrical production arts major; THEA 11000; sophomore standing. 2 credits. (F-S, Y)
Distribution: NLA.
THEA 21100 - Computer Aided Drafting for the Theatre (3)
Computer-aided drafting for the theater involving electronic manipulation of lines, drawings, and symbols to convey visual ideas for construction and layout using AutoCAD software. Emphasis is placed on the aesthetic application of the computer as a drafting tool for theatre. Prerequisites: THEA 11100 and THEA 12000. 3 credits. (S,Y)
Distribution: NLA.
THEA 22000 - Computer-Aided Design for the Theatre (3)
Instruction in computer applications involving the digital manipulation of lines, drawings, images and symbols to convey visual ideas for design presentation using industry standard software. Emphasis placed on the aesthetic application of the computer as a design tool for theatre. Prerequisites: THEA 11100 and THEA 12000. 3 credits. (S,Y)
Distribution: NLA.
THEA 22200 - Theatrical Design I: Scenic (3)
Analysis and interpretation of dramatic works in the discipline of scenic design. Script analysis, research, conceptualization, model making, and drawing, etc., are used to refine and present design ideas. Combines lecture with studio practice. Prerequisites: THEA 12000. 3 credits. (F,Y)
Distribution: FA,LA.
THEA 22300 - Theatrical Design I: Costume (3)
Analysis and interpretation of dramatic works in the discipline of costume design. Script analysis, research, composition, etc., are combined to present and refine the design ideas. Combines lecture with studio practice. Prerequisites: THEA 12000. 3 credits. (F,Y)
Distribution: FA,LA.
THEA 22400 - Theatrical Design I: Lighting (3)
Analysis and interpretation of dramatic works in the discipline of lighting design. Script analysis, research, conceptualization, drafting and demonstration, etc., will be used to refine and present design ideas. Combines lecture with studio practice. Prerequisites: THEA 11100 and THEA 11400 and THEA 12000. 3 credits. (F,Y)
Distribution: FA,LA.
THEA 22500 - Theatrical Design I: Sound (3)
Analysis and interpretation of dramatic works in the discipline of sound design. Script analysis, research, conceptualization, aural storytelling and studio technique, etc., are used to refine and present design ideas. Combines lecture with studio practice. Prerequisites: TVR 27100; or THEA 11400 and THEA 12000. 3 credits. (S,Y)
Distribution: FA,LA.
THEA 23000 - Introduction to British Styles of Acting (3)
Introductory survey of the considerations necessary for understanding and performing scenes from British drama of the Shakespearean, high comedy, and contemporary styles. Not open to acting majors. Offered only at the London Center. Prerequisites: THEA 13100. 3 credits. (S,Y)
Distribution: FA,LA.
THEA 23100 - Acting III (3)
Intensive examination of the practical aspects of acting. Application of techniques of personalization, plot objectives, and characterization; presentation of monologues and duet scenes. Prerequisites: Grade of B or better in THEA 13200. 3 credits. (F,Y)
Distribution: FA,LA.
THEA 23200 - Acting IV (3)
Continued intensive examination of the practical aspects of acting. Application of techniques of personalization, plot objectives, and characterization; presentation of monologues and duet scenes. Prerequisites: Grade of B or better in THEA 23100. 3 credits. (S,Y)
Distribution: FA,LA.
THEA 23300 - Scene Study III (3)
Intermediate study of theories, vocabularies, and methodologies of acting techniques to prepare for rehearsal and performance of scenes. Emphasis is placed on textual analysis and the transformation of actor into character. B.F.A. acting or musical theatre majors only. Prerequisites:
THEA 13400 and THEA 13600. Corequisites: THEA 23500 and THEA 23700. 3 credits. (F,Y)
Distribution: FA,LA.

THEA 23400 - Scene Study IV (3)
Continuation of THEA 23300. Further intermediate study of theories, vocabularies, and methodologies of acting techniques to prepare for rehearsal and performance of scenes and monologues. Emphasis is placed on the integration of cumulative research, analysis, and performance skills in the development of fully realized characterizations. Prerequisites: B.F.A. acting and musical theatre majors only; THEA 23300. Corequisites: THEA 23600 and THEA 23800. 3 credits. (S,Y)
Distribution: FA,LA.

THEA 23500 - Voice and Speech for the Stage I (1.5)
Study and exercise in the techniques of effective stage speech. Organic awareness used to attain lively, flexible, and natural vocal abilities. Prerequisites: B.F.A. acting or musical theatre major and THEA 13600. Corequisites: THEA 23300 and THEA 23700. 1.5 credits. (F,Y)
Distribution: NLA.

THEA 23600 - Voice and Speech for the Stage II (1.5)
Continuation of study and exercise in the techniques of effective stage speech. Organic awareness used to attain lively, flexible, and natural vocal abilities. Prerequisites: B.F.A. acting or musical theatre major and THEA 23500. Corequisites: THEA 23400 and THEA 23800. 1.5 credits. (S,Y)
Distribution: NLA.

THEA 23700 - Movement for the Stage I (1.5)
Study and exercise in techniques of effective stage movement, utilizing organic awareness, flexibility, and imagination to develop stage presence and characterization skills. Prerequisites: B.F.A. acting or musical theatre major and THEA 13600. Corequisites: THEA 23300 and THEA 23500. 1.5 credits. (F,Y)
Distribution: NLA.

THEA 23800 - Movement for the Stage II (1.5)
Continued study and exercise in techniques of effective stage movement and characterization skills. Prerequisites: B.F.A. acting or musical theatre major and THEA 23700. Corequisites: THEA 23400 and THEA 23600. 1.5 credits. (S,Y)
Distribution: NLA.

THEA 23900 - The Alexander Technique (2)
The Alexander technique is a mind-body learning process developed by F. M. Alexander, an Australian actor. Through discussion, self-awareness activities, selected readings, and gentle hands-on teaching, this course explores his ideas for increasing kinesthetic awareness as a skill for improving ease and freedom of movement for the performer and non-performer alike. Prerequisites: Sophomore standing. 2 credits. (S,Y)
Distribution: NLA.

THEA 24100 - History of Theatre I (3)
Evolution of drama and the theatre from its ancient beginning through later developments in Greece, Rome, and medieval and Elizabethan England to the 18th century. Prerequisites: Sophomore standing. 3 credits. (F,Y)
Distribution: 3B,G,H,HU,LA.

THEA 24200 - History of Theatre II (3)
Continuing study of the evolution of drama and the theatre commencing in the 18th century and continuing through the eras of modern drama, theatre between the wars and after, to the late 20th century. Prerequisites: Sophomore standing. 3 credits. (S,Y)
Distribution: 3B,G,H,HU,LA.

THEA 25000 - Promotion and Publicity for the Performing Arts (3)
Study of marketing and publicity strategies, concepts, designs, and implementation plans used by performing arts organizations to attract and maintain a loyal customer base. Exploration of contemporary trends in bringing art and audiences together. Prerequisites: Sophomore standing; THEA 13000. 3 credits. (S,Y)
Distribution: NLA.

THEA 25100 - Theatre Organization and Management (3)
Examines the organizational structure of the non-profit regional theater and other non-profit performing arts organizations. From management structure to intellectual property law, students will gain fundamental knowledge to work successfully in the non-profit performing arts sector. Prerequisites: Sophomore standing. 3 credits. (F-S,Y)
Distribution: NLA.

THEA 25200 - Stage Management (3)
Practical review and development of the management skills, operational techniques, and practices of stage management, from pre-rehearsal through postproduction. Prerequisites: THEA 10100 or THEA 10200; sophomore standing or above. 3 credits. (F,O)
Distribution: NLA.

THEA 27800 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27801 - Selected Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27802 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27803 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27804 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27805 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27806 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27807 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27808 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 27809 - Special Liberal Arts Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of
genre, playwrights, eras, or contemporary developments in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: sophomore standing. 1-3 credits. (IRR)
Distribution: LA,UND.
THEA 277900 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and sophomore standing. 1-3 credits. (IRR)
Distribution: NLA.
THEA 277901 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and sophomore standing. 1-3 credits. (IRR)
Distribution: NLA.
THEA 277902 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and sophomore standing. 1-3 credits. (IRR)
Distribution: NLA.
THEA 277903 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special problems in theatre production, guest artist workshop, or contemporary developments in arts management. These topics are non liberal arts in nature. Students may take more than one special topics course for credit.
Prerequisites: Theatre Arts major and sophomore standing. 1-3 credits. (IRR)
Distribution: NLA.
THEA 27904 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special problems in theatre production, guest artist workshop, or contemporary developments in arts management. These topics are non liberal arts in nature. Students may take more than one special topics course for credit.
Prerequisites: Theatre Arts major and sophomore standing. 1-3 credits. (IRR)
Distribution: NLA.
THEA 27905 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special problems in theatre production, guest artist workshop, or contemporary developments in arts management. These topics are non liberal arts in nature. Students may take more than one special topics course for credit.
Prerequisites: Theatre Arts major and sophomore standing. 1-3 credits. (IRR)
Distribution: NLA.
THEA 30600 - Introduction to Directing (2)
Study of the basic principles and problems involved in directing plays and musicals, including those peculiar to amateur productions. Offered either block I or block II, fall semester. For non-theatre majors; recommended for speech communication and music education majors. Prerequisites: Three courses in the humanities, music, or communications; junior standing. 2 credits. (IRR)
Distribution: FA,LA.
THEA 31000 - Theatrical Production III (3)
Advanced technical supervision or design assignment in production for the department. B.F.A. theatrical production arts majors only. May be repeated for a maximum of 6 credits. Prerequisites: THEA 21000; junior standing. 3 credits. (F-S,Y)
Distribution: NLA.
THEA 31200 - Theatre Technology II: Scenery (3)
Advanced study and practical experience in the tools and techniques used in theatrical scenery technology, including: complex construction techniques, theatrical metal working, rigging for the theatre and moving scenery systems. Prerequisites: THEA 11100; THEA 11200; THEA 21000. 3 credits. (S, Y)
Distribution: NLA.
THEA 31300 - Theatre Technology II: Costumes (3)
Advanced study and practical experience in the tools and techniques used in theatrical costume construction, including: patterning, draping, pattern drafting, and tailoring/sewing skills. Prerequisites: THEA 11300; junior standing. 3 credits. (F, E)
Distribution: NLA.
THEA 31400 - Theatre Technology II: Lighting (3)
Advanced study and practical experience in the tools and techniques used in theatrical lighting technology, including: advanced console programming, moving light technology and projections. Prerequisites: THEA 11400 and THEA 21000. 3 credits. (F, E)
Distribution: NLA.
THEA 31500 - Theatre Technology II: Sound (3)
Advanced study and practical experience in the tools and techniques used in theatrical sound technology, including: examination of the acoustic and electrical basis of sound and audio, the structure of audio systems, and the practical use of audio equipment. Prerequisites: MUMC 24800 or MUMC 25000, or TVR 27100, or both THEA 11400 and THEA 21000 (may be taken concurrently). 3 credits. (F, Y)
Distribution: NLA.
THEA 31600 - Theatre Technology II: Properties (3)
Advanced study and practical experience in the tools and techniques used in theatrical properties technology, including: furniture construction, upholstery and mold making techniques. Prerequisites: THEA 11600; THEA 21000. 3 credits. (F, E)
Distribution: NLA.
THEA 31700 - Theatre Technology II: Paint (3)
Advanced study and practical experience in the tools and techniques used in theatrical scenic painting, including: faux finishes, translucencies, trompe l’oeil, and large scale projects. Prerequisites: THEA 11600 and THEA 21000 (can be taken concurrently). 3 credits. (F, Y)
Distribution: NLA.
THEA 31800 - Technical Direction for the Theatre (3)
Advanced study of the theory and practice of technical direction for the theatre, involving scenery building techniques and technical specifications, construction drafting, budget and time analysis, and management techniques. Prerequisites: THEA 31200. 3 credits. (S, Y)
Distribution: NLA.
Advanced study of the art of scenic design, examining complex and varied forms of dramatic works. Prerequisites: THEA 22200. 3 credits. (S, Y)

Distribution: FA, LA.

THEA 32300 - Theatrical Design II: Costume (3)
Advanced study of the art of costume design, examining complex and varied forms of dramatic works. Prerequisites: THEA 22300. 3 credits. (S, Y)

Distribution: FA, LA.

THEA 32400 - Theatrical Design II: Lighting (3)
Advanced study of the art of lighting design, examining complex and varied forms of dramatic works. Prerequisites: THEA 22400. 3 credits. (S, Y)

Distribution: FA, LA.

THEA 32500 - Theatrical Design II: Sound (3)
Advanced study of the art of sound design, examining complex and varied forms of dramatic works. Prerequisites: THEA 22500 and THEA 31500. 3 credits. (S, Y)

Distribution: FA, LA.

THEA 33100 - Styles of Acting: The Greeks and Shakespeare (3)
Study and practice of acting technique appropriate to performing Greek tragedy and Shakespeare. Prerequisites: B.F.A acting or musical theatre major and THEA 23300. 3 credits. (F, Y)

Distribution: NLA.

THEA 33200 - Styles of Acting: Farce and High Comedy (3)
Study and practice of acting technique appropriate to performing farce and comedy of manners. Prerequisites: B.F.A acting or musical theatre major and THEA 23300. Also offered through the London Center. 3 credits. (S, Y)

Distribution: FA, LA.

THEA 33300 - Fundamentals of Musical Theatre Song Performance (2)
A team-taught, interdisciplinary, performance-oriented course focusing on the examination and performance of the musical theatre song and the integration of music and theatre skills. Prerequisites: B.F.A. musical theatre major; junior standing. 2 credits. (F, Y)

Distribution: FA, LA.

THEA 33500 - Advanced Voice and Speech for the Stage (3)
Advanced and specialized studies in voice production, speech sounds, and articulation. Open to BFA musical theatre majors on a space available basis, by permission of instructor. Prerequisites: B.F.A acting major; THEA 23600. 3 credits. (F, Y)

Distribution: NLA.

THEA 33600 - Dialects for the Stage (3)
Study of dialects as a tool for characterization. Open to BFA musical theatre majors on a space available basis, by permission of instructor. Prerequisites: B.F.A acting major; THEA 23600. 3 credits. (S, Y)

Distribution: NLA.

THEA 34300 - History of Costume and Decor I (3)
Analyzes the aesthetics of various cultures and institutions as reflected in the apparel and objects of daily life. Also examines the cultural influences (religious, political, economic, etc.) on those aesthetics. Prerequisites: Three courses in the fine arts or humanities at least one of which is at level 2. 3 credits. (F, Y)

Distribution: 3B, FA, G, H, LA.

THEA 34400 - History of Costume and Decor II (3)
Analyzes the aesthetics of various cultures and institutions as reflected in the apparel and objects of daily life. Also examines the cultural influences (religious, political, economic, etc.) on those aesthetics. Prerequisite: THEA 34300. 3 credits. (S, Y)

Distribution: 3B, FA, G, H, LA.

THEA 34800 - Drama and the London Theatre (3)
Study of drama and performance involving current productions on the London stage. Critical analysis of the texts prior to performance. The course may be repeated once for credit. Offered only through the London Center. Additional course fees apply. Prerequisites: Junior standing. 3 credits. (F-S, Y)

Distribution: 3B, FA, G, H, LA.

THEA 34900 - Interrelationships: British Drama and Cultural Life – Lecture (6)
Focus on British culture, society, and history reflected in the drama of four major periods: (1) Renaissance; (2) Restoration and 18th century; (3) Victorian and Edwardian; and (4) 20th/21st century. Offered only through the London Center. Theatre Arts majors only. Corequisite: THEA 34901. 6 credits. (F-S, Y)

Distribution: 3B, G, HU, LA.

THEA 34901 - Interrelationships: British Drama and Cultural Life – Fieldwork (3)
Hands-on experience in theatre arts, including regular play visits, weekly field-study trips, guided on-site tours of historic and cultural areas of London, and visits to museums and exhibitions. Backstage tours and talks given
by theatre professionals. Offered only through the London Center. Additional course fees apply. Prerequisites: Theatre Arts majors only; junior standing; permission of instructor. Corequisite: THEA 34900. 3 total credits. (F-S,Y)

**Distribution: HU,LA.**

**THEA 35100 - Fund-Raising for the Performing Arts (3)**

Examines the concepts, tools, and current environment of philanthropy as it pertains to the nonprofit performing arts industry. Explores individual, corporate, foundation, and government giving trends and the methods used to solicit support for the performing arts, including case statements, proposal writing, direct mail, special events, and the Internet. Prerequisites: Junior standing; THEA 25100. 3 credits. (F,E)

**Distribution: NLA.**

**THEA 35200 - Producing Theatre (3)**

Examines the role of the producer in commercial and nonprofit theatre productions in the United States. Follows current trends in producing Broadway, off-Broadway, and regional theatre and explores the industry’s unions and trade associations. Prerequisites: Junior standing; THEA 25100. 3 credits. (S,Y)

**Distribution: NLA.**

**THEA 35400 - Playwriting (3)**

Preparation of a one-act play from germinal idea to completed script. Analysis of dramaturgical theory and technique, including plot, characterization, and dialogue. Prerequisites: THEA 10000 or THEA 13000; Junior Standing. 3 credits. (S,Y)

**Distribution: FA,LA.**

**THEA 35500 - Directing I (3)**

An introduction to the fundamental tools of stage direction: Prerequisites: THEA 13000, THEA 13100 or THEA 13300; sophomore standing. 3 credits. (F-S,Y)

**Distribution: FA,LA.**

**THEA 35600 - Directing II (3)**

The application of fundamental directing tools in a laboratory environment, culminating in the rehearsal and performance of a short scene. Prerequisites: THEA 35500. 3 Credits. (S, Y)

**Distribution: FA,LA.**

**THEA 37000 - Theatre Workshop (2)**

Performance-oriented ensemble under a supervising professor specializing in a particular type of theatre, such as music theatre, Shakespeare, mime, or story theatre. No two workshops may be taken concurrently. Audition required. May be repeated for total of 8 credits concentrated in one type of workshop or distributed among several. Prerequisites: Permission of instructor. 2 credits. (IRR)

**Distribution: FA,LA.**

**THEA 41000 - Theatre Production IV : Capstone (3)**

The capstone experience for B.F.A. theatrical production arts majors. Students undertake a significant and substantial assignment in production for the department. May be repeated for a maximum of 6 credits. B.F.A. theatrical production arts majors only. Prerequisites: THEA 31000; senior standing. 3 credits. (F-S,Y)

**Distribution: NLA.**

**THEA 41100 - Seminar in Theatre Technology (3)**

Research-based exploration of specific technical challenges, techniques, equipment or material related to specific technical theater areas. Prerequisites: B.F.A. theatrical production arts major; senior standing. 3 credits. (F,Y)

**Distribution: NLA.**

**THEA 43000 - Audition Techniques (2)**

Training and practice in selecting, preparing, and presenting audition material. Open to BFA musical theatre majors on a space available basis only, by permission of instructor. Prerequisites: B.F.A acting major; THEA 33100, 33200 (may be taken concurrently). 2 credits. (S,Y)

**Distribution: NLA.**

**THEA 43100 - Acting for the Camera (3)**

Stage-oriented performers learn and practice acting techniques appropriate to video performance in collaboration with student and faculty directors. Open to B.F.A. musical theatre majors on a space available basis, with permission of instructor. Prerequisites: B.F.A acting majors; THEA 33200. 3 credits. (F,Y)

**Distribution: NLA.**

**THEA 43200 - Daytime TV Drama (3)**

Analysis, rehearsal and performance of several scenes of daytime television drama under the direction of professional, faculty, and student directors. Open to acting, musical theatre, and television-radio majors. Prerequisites for theatre majors: B.F.A acting or musical theatre majors only; THEA 43100. Prerequisites for television radio majors: TVR 30400; senior standing. 3 credits. (S,Y)

**Distribution: NLA.**

**THEA 43300 - Musical Theatre Workshop: Repertoire and Style (2)**

A team-taught, interdisciplinary, performance-oriented course focusing on building repertoire and the application of musical theatre skills in small and large ensemble work.
Prerequisites: Senior standing; B.F.A musical theatre major; theatre arts major or School of Music voice major by permission of instructor and audition only. 2 credits. (F,Y)

Distribution: FA,LA.

THEA 43400 - Musical Theatre Workshop: Audition and Advanced (2)
A team-taught, interdisciplinary, performance-oriented course focusing on audition techniques and advanced skills for the musical theatre performer. Prerequisites: Senior standing; theatre arts major or voice major from the School of Music; permission of instructor and by audition only. 2 credits. (S,Y)

Distribution: FA,LA.

THEA 44100 - Contemporary Developments in Theatre (3)
Study of the history of dramatic art from 1950 to the present, including movements in dramatic literature, theory, and production. Prerequisites: Senior standing; THEA 24100 and THEA 24200. 3 credits. (F,Y)

Distribution: HU,LA.

THEA 44200 - Theories of Comedy and Tragedy (3)
Study of comic and tragic theory, from classical to contemporary periods, applied to major types and styles of dramatic composition. Prerequisites: Senior standing; THEA 24100 and THEA 24200. 3 credits. (IRR)

Distribution: HU,LA.

THEA 44300 - Aesthetics and Criticism of Drama (3)
Survey of major critical and aesthetic theories of drama, from the classic to the contemporary theatre, applied to representative dramatic compositions. Students prepare and present written assignments. Prerequisites: Senior standing; THEA 24100 and THEA 24200. 3 credits. (IRR)

Distribution: HU,LA.

THEA 44400 - Senior Seminar (3)
Students do appropriate historical, cultural, and/or literary research on selected topics. Prerequisites: THEA 10000 or THEA 13000; THEA 24100 or THEA 24200; ENGL 31100 or ENGL 31200; senior standing. 3 credits. (S,Y)

Distribution: HU,LA.

THEA 45000 - Senior Project in Theatre Arts Management (3)
Qualified senior students undertake a major theatre management assignment under the supervision of a faculty specialist. Prerequisites: Senior standing in the theatre arts management program; permission of the program coordinator. 3 credits. (F-S,Y)

Distribution: NLA.

THEA 45400 - Advanced Playwriting (3)
Writing of a full-length play. Class discussion and analysis of student writing, supplemented by individual conferences with instructor. Prerequisites: THEA 35400; junior standing. 3 credits. (IRR)

Distribution: FA,LA.

THEA 45500 - Senior Project in Directing (3)
Senior theatre arts majors select and rehearse a one-hour production performed for an audience under studio performance conditions. Prerequisites: THEA 35600; senior standing; theatre arts major; approval of departmental chair and curriculum committee. 3 credits. (F-S,Y)

Distribution: NLA.

THEA 47000 - Theatre Workshop (2)
Performance-oriented ensemble under a supervising professor specializing in a particular type of theatre, such as music theatre, Shakespeare, mime, or story theatre. No two workshops may be taken concurrently. Audition required. May be repeated for total of 8 credits concentrated in one type of workshop or distributed among several. Prerequisites: Permission of instructor. 2 credits. (IRR)

Distribution: FA,LA.

THEA 47800 - Special Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of genre, playwrights, eras or contemporary developments in theatre. These topics are liberal arts in nature. Students may take more than one special topics course for credit. Prerequisites: Theatre Arts major and senior standing. 1-3 credits. (IRR)

Distribution: LA,UND.

THEA 47801 - Special Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of genre, playwrights, eras or contemporary developments in theatre. These topics are liberal arts in nature. Students may take more than one special topics course for credit. Prerequisites: Theatre Arts major and senior standing. 1-3 credits. (IRR)

Distribution: LA,UND.

THEA 47802 - Special Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study of genre, playwrights, eras or contemporary developments in theatre. These topics are liberal arts in nature. Students may take more than one special topics course for credit. Prerequisites: Theatre Arts major and senior standing. 1-3 credits. (IRR)

Distribution: LA,UND.
THEA 47803 - Special Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study
of genre, playwrights, eras or contemporary developments
in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: LA,UND.
THEA 47804 - Special Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study
of genre, playwrights, eras or contemporary developments
in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: LA,UND.
THEA 47805 - Special Topics: Theatre (1 to 3)
Topics of special interest in theatre, such as focused study
of genre, playwrights, eras or contemporary developments
in theatre. These topics are liberal arts in nature. Students
may take more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: LA,UND.
THEA 47900 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special
problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These
topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: NLA.
THEA 47901 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special
problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These
topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: NLA.
THEA 47902 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special
problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These
topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: NLA.
THEA 47903 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special
problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These
topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: NLA.
THEA 47904 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special
problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These
topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: NLA.
THEA 47905 - Special Topics: Applied Theatre (1 to 3)
Topics of current interest in applied theatre, such as special
problems in theatre production, guest artist workshop, or
contemporary developments in arts management. These
topics are non liberal arts in nature. Students may take
more than one special topics course for credit.
Prerequisites: Theatre Arts major and senior standing. 1-3
credits. (IRR)
Distribution: NLA.
THEA 48000 - Senior Ensemble (0 to 1)
Preparation and/or presentation of a broad repertoire of
projects through special workshops and field studies.
Prerequisites: Theatre arts major; senior standing; audition
and/or interview. 0.0-1.0 credits. (S,Y)
Distribution: NLA.
THEA 48001 - Senior Ensemble (0 to 1)
Preparation and/or presentation of a broad repertoire of
projects through special workshops and field studies.
Prerequisites: Theatre arts major; senior standing; audition
and/or interview. 0.0-1.0 credits. (S,Y)
Distribution: NLA.
COURSE DESCRIPTIONS

THEA 48003 - Senior Ensemble (0 to 1)
Preparation and/or presentation of a broad repertoire of projects through special workshops and field studies.
Prerequisites: Theatre arts major; senior standing; audition and/or interview. 0.0-1.0 credits. (S,Y)
Distribution: NLA.

THEA 48004 - Senior Ensemble (0 to 1)
Preparation and/or presentation of a broad repertoire of projects through special workshops and field studies.
Prerequisites: Theatre arts major; senior standing; audition and/or interview. 0.0-1.0 credits. (S,Y)
Distribution: NLA.

THEA 48005 - Senior Ensemble (0 to 1)
Preparation and/or presentation of a broad repertoire of projects through special workshops and field studies.
Prerequisites: Theatre arts major; senior standing; audition and/or interview. 0.0-1.0 credits. (S,Y)
Distribution: NLA.

THEA 48400 - Professional Aspects of Theatre (2)
Advanced course designed for those intending to enter the professional theatre. Special projects in the study of current plays and in the preparation of interviews, resumes portfolios and auditions. Prerequisites: THEA 25100. Prerequisites: B.F.A. theatre arts major; senior standing. 2 credits. (F,Y)
Distribution: NLA.

THEA 49000 - Theatre Projects (1 to 4)
Independent pursuit of applied production projects. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; by special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49001 - Theatre Projects (1 to 4)
Independent pursuit of applied production projects. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; by special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49002 - Theatre Projects (1 to 4)
Independent pursuit of applied production projects. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; by special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49003 - Theatre Projects (1 to 4)
Independent pursuit of applied production projects. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; by special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49100-49199 - Professional Internship Theatre (3 to 12)
A one-semester internship with a professional performing arts organization. Student's work is monitored and evaluated by faculty adviser. Also offered through the London Center. Prerequisites: Junior standing; departmental permission. Maximum of 12 credits. (F, S, Y)
Distribution: NLA.

THEA 49101 - Professional Internship Theatre (1 to 12)
A one-semester internship with a professional performing arts organization. Student's work is monitored and evaluated by faculty adviser. Also offered through the London Center. Prerequisites: Junior standing; departmental permission. Maximum of 12 credits. (F, S, Y)
Distribution: NLA.

THEA 49102 - Professional Internship Theatre (1 to 12)
A one-semester internship with a professional performing arts organization. Student's work is monitored and evaluated by faculty adviser. Also offered through the London Center. Prerequisites: Junior standing; departmental permission. Maximum of 12 credits. (F, S, Y)
Distribution: NLA.

THEA 49103 - Professional Internship Theatre (1 to 12)
A one-semester internship with a professional performing arts organization. Student's work is monitored and evaluated by faculty adviser. Also offered through the London Center. Prerequisites: Junior standing; departmental permission. Maximum of 12 credits. (F, S, Y)
Distribution: NLA.

THEA 49104 - Professional Internship Theatre (1 to 12)
A one-semester internship with a professional performing arts organization. Student's work is monitored and evaluated by faculty adviser. Also offered through the London Center. Prerequisites: Junior standing; departmental permission. Maximum of 12 credits. (F, S, Y)
Distribution: NLA.

THEA 49105 - Professional Internship Theatre (1 to 12)
A one-semester internship with a professional performing arts organization. Student's work is monitored and evaluated by faculty adviser. Also offered through the London Center. Prerequisites: Junior standing; departmental permission. Maximum of 12 credits. (F, S, Y)
Distribution: NLA.

THEA 49900 - Independent Study: Theatre (1 to 4)
Special reading and research under the supervision of the department. Also offered through the London Center. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49901 - Independent Study: Theatre (1 to 4)
Special reading and research under the supervision of the department. Also offered through the London Center. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49902 - Independent Study: Theatre (1 to 4)
Special reading and research under the supervision of the department. Also offered through the London Center. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49903 - Independent Study: Theatre (1 to 4)
Special reading and research under the supervision of the department. Also offered through the London Center. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49904 - Independent Study: Theatre (1 to 4)
Special reading and research under the supervision of the department. Also offered through the London Center. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

THEA 49905 - Independent Study: Theatre (1 to 4)
Special reading and research under the supervision of the department. Also offered through the London Center. May be repeated for a total of 6 credits. Prerequisites: Junior or senior standing; special permission of departmental curriculum committee. 1-4 credits. (F-S,Y)
Distribution: NLA.

**TVR - Television Radio**

TVR 10100 - Introduction to Media Production (4)
An applied, practical introduction to the fundamentals of audio and video electronic media production. Covers theory, terminology, and techniques, with an emphasis placed on the function and operation of various analog and digital equipment. The basic technical and aesthetic skills of both radio production and television studio production are covered. Open to sport media majors in the spring semester. 4 credits. (IRR)
Distribution: NLA.

TVR 10500 - Introduction to Audio (2)
An applied practical introduction to the fundamentals of audio. Covers theory, terminology, and technique, with emphasis on the function and operation of various analog and digital used for audio acquisition, mixing and output. The basic technical and aesthetic audio skills for radio, television, cinema, and new media production and post-production are covered. Prerequisites: Majors in television-radio, media production concentration or emerging media, - media design and production concentration. 2 credits. (F-S)
Distribution: NLA.

TVR 10700 - Introduction to Television Studio Production (2)
Introductory course that explores the techniques and purpose of various television studio productions through direct hands-on experience. Offers students the opportunity to engage in the many facets of television studio production through a variety of projects and exercises. Prerequisites: Television-radio major with a media production concentration. 2 credits. (F-S)
Distribution: NLA.

TVR 11500 - Introduction to Field Production (4)
Introduction to electronic field production techniques, including portable field camera operation, video editing, lighting, scripting, media aesthetics, and logistics. Students will develop both their creative and technical skills through a combination of production exercises, projects, readings, and critiques. 4 credits. (F-S)
Distribution: NLA.
TVR 12100 - Introduction to Mass Media (3)
Survey of American mass media with emphasis placed on the historical development, structure, organization, function, and effects of mass media in society. Discussion includes issues such as ethnic, racial, age, and sex-role stereotyping; violence; children and the media; and economic control and the role of governmental regulation. 3 credits. (F-S)
Distribution: LA,SS.

TVR 12200 - Introduction to Media Aesthetics and Analysis (3)
Teaches techniques and criteria for analysis of media productions. Examines the basic production techniques used to communicate with visual images and sound. Topics such as light, composition, motion, sound, editing, and time may be covered. Aesthetics in the production, consumption, and critique of media are surveyed. 3 credits. (F-S)
Distribution: LA,UND.

TVR 12300 - Introduction to Law and the Media (3)
An introduction to law, lawyers, juries, and the legal system as portrayed in dramatic, news, and documentary television programming as well as in popular films. This course will study how the media and the legal system influence each other. Ethical issues concerning how the media portrays the legal system to the audience will be analyzed. Concepts including double jeopardy, jury tampering, hung juries, new trials, judicial misconduct, appeals processes, and judicial corruption will be discussed as they relate to the various contemporary television programming and films to be viewed in class. When possible, local judges or lawyers will appear on a discussion panel. 3 credits. (S)
Distribution: LA.

TVR 12400 - Introduction to Media Industries (4)
Introduction to digital and electronic media industries, both traditional and emerging. Focus on ethical, legal technological, economic, and creative shifts resulting from new media platforms and cross-platform distribution. Discussion, research, writing, and group collaborative work focused on emerging challenges and opportunities in the new media environment. Prerequisites: Majors in television-radio and emerging media. 4 credits. (F-S)
Distribution: LA.

TVR 13100 - Media Writing (3)
Exposure to a diverse selection of writing styles and formats used in the mass media. It will introduce critical, analytical, and applicable writing skills in areas such as audio, visual, and interactive media. 3 credits. (F-S)
Distribution: LA.

TVR 13400 - Developing Story Narratives (3)
Utilizing dramatic and experimental techniques from the world of theater, art, literature, film, and international cultures, this course is designed to teach and challenge the student with new ways to develop storytelling strategies. Through the exploration of various narrative methods, students will produce a series of short written works. 3 credits. (F-S)
Distribution: LA.

TVR 20500 - Critical Analysis of Games and Immersive Media (3)
History, literature, media studies, and design are combined to develop and refine a critical vocabulary for articulating the aesthetics of games, including both the distinctive features unique to games and those shared with other forms of media and culture. Textual analyses, history, and game construction will be emphasized, as well as a critique of a canon of significant and influential games. Open only to majors in game design and immersive media. Prerequisites: TVR 10600. 3 credits. (Y)
Distribution: LA.

TVR 20600 - British Media and the Global Context (3)
Studies key aspects of British media in historical and cultural contexts. Students will research specific case studies of British media's global spread, influence, and links with global economy and culture. This course is offered only through the Ithaca College London Center. Prerequisites: Sophomore standing; acceptance into the Ithaca College London program. 3 credits. (Y)
Distribution: LA.

TVR 21100 - New Media Business and Economics (4)
Investigates the range of business and economic models applicable to new and emerging media industries. Critiques business models that drive traditional media industries and reviews the economic and social viability of alternative business models for emerging media. Emerging media and television-radio majors. Prerequisites: TVR 12400. 4 credits. (Y)
Distribution: LA.

TVR 21400 - Design of New Media: Theory, Function and Analysis (4)
Fundamental principles of design, function, and usability of new media technology, including games, mobile applications, web-based media, and other digital media platforms. Assessment of examples of new media designs for strengths, limitations, and usability; exploration of rules, techniques, and problem-solving strategies that go into the creation of new media applications and platforms. Open to majors in emerging media and television-radio. Prerequisites: TVR 12400. 4 credits. (Y)
Distribution: LA.

TVR 21500 - Fiction Field Production 1 (4)
Previously learned skills will be amplified, enhanced, and refined through a combination of in-class exercises and outside projects with equal attention to form and content. Emphasis will be placed on the development of ideas, storytelling, and greater sophistication in all areas of electronic field production. Prerequisites: TVR 11500. 4 credits. (F-S)

Distribution: NLA.

TVR 22000 - Global Flow of Information (3)
A critical review and analysis of theories, policies, and issues in international and intercultural communication, as well as the flow of information among nations of the world through traditional and contemporary communication channels. Includes interpersonal communications, the mass media, satellite communications, diplomacy and international conventions. Readings and discussions of research studies demonstrate the interconnections of communication and international relations. Emphasis is placed on the impact of the flow of information on political, economic, cultural, legal, and social aspects of various countries and regions. Prerequisites: One course in the social sciences; sophomore standing. 3 credits. (F)

Distribution: LA, UND.

TVR 22500 - Television Production and Direction (4)
This intermediate studio television production course builds upon basic production techniques covered in TVR 10100 Introduction to Media Production. Video aesthetic theories will be applied in creative studio productions. Prerequisites: TVR 10100, or TVR 10500 and TVR 10700. 4 credits. (F-S)

Distribution: NLA.

TVR 23100 - Critical Thinking and Mass Communication (3)
An applied introduction to critical thinking skills, relevant to many disciplines. Presents practical techniques for evaluating information and identifying propaganda. Useful to journalists and media professionals, and also for media consumers who rely on print, broadcast, and online sources for information. Students who take CLTC 11000 are not permitted to take this course. Prerequisites: Sophomore standing. 3 credits. (F-S)

Distribution: LA.

TVR 23600 - Quantitative Mass Media Research Methods (3)
A basic introduction to quantitative research methods in mass communications, including sampling, survey, experimental, and content analysis. Review of literature, identification of basic concepts, problems, responsibilities, and research ethics; procedures and basic techniques of computer data analysis. A research project is required. Prerequisites: TVR 12100 or TVR 12400. 3 credits. (F-S)

Distribution: LA.

TVR 26200 - Qualitative Mass Media Research Methods (3)
A basic introduction to theories and research skills used in qualitative research as applied to mass communication. Major topics include cultural studies theories, ethnography, historical research, depth interviews, qualitative content analysis, and focus groups. Review of literature, identification of basic concepts, problems, and responsibilities. A research project is required. Prerequisites: TVR 12100 or TVR 12400. 3 credits. (S)

Distribution: LA.

TVR 27100 - Audio Production (4)
Examines the theory and practice of audio production and highlights the unique properties of the medium. The concept of sound design is examined as applied to programming intended for persuasion, information, and entertainment. In addition to providing hands-on experience through production exercises and projects, the course places considerable emphasis on aesthetic analysis of audio products through a series of "critical listening" exercises. Prerequisites: TVR 10100 or TVR 10500 (or MUMC 14500 for students in sound recording technology major only). 4 credits. (F-S)

Distribution: NLA.

TVR 29200 - Minicourses in Communications (1 to 2)
A series of short courses in specialized areas of communication that do not meet the College guidelines for liberal arts designation. Visiting lecturers and faculty of the school participate in areas of their expertise. May not receive credit for both GCOM 29219 and TVR 29201. Prerequisites: Vary depending on the topic; refer to the class schedule on HomerConnect each semester. Pass/fail. 1-2 credits. (IRR)

Distribution: NLA.

TVR 29300-29399 - Minicourses in Communications (1 to 2)
A series of short courses in specialized areas of communications that meet the College guidelines for liberal arts designation. Visiting lecturers and faculty of the school participate in areas of their expertise. May be repeated. Prerequisites: Vary depending on the topic; refer to Undergraduate Course Offerings each semester. Pass/fail. 1-2 credits. (IRR)

Distribution: LA.

TVR 29900 - Nonfiction Production (4)
An intermediate-level documentary production course that emphasizes the production skills, the storytelling concepts, and the legal and ethical framework for successful documentary productions. Also covered are different stylistic approaches to the genre, concepts related to the documentary maker's "voice" within his or her work, subgenres within the documentary format, and distribution, fund-raising, and research strategies. Prerequisites: TVR 11500 or CNPH 11100. 4 credits. (Y)

Distribution: NLA.

TVR 30300 - Program Development for Entertainment Media (4)

Exploration and application of the creative process for developing program content for entertainment media industry. Students will work with true events or novels for features, television movies, series and Internet distribution. Analysis of creative properties and case studies will exemplify the most effective means for producers, writers, directors, and programmers to develop concepts for the theatrical and television marketplace. Prerequisites: TVR 12100 or TVR 12400; junior standing; television-radio major. 4 credits. (Y)

Distribution: NLA.

TVR 30400 - Advanced Studio Production (4)

An advanced studio television course expanding on established production skills acquired in previous courses while introducing additional concepts and techniques required for complex multicamera productions. Through producing, writing, and directing a variety of programs, students will apply production theories and concepts within a digital production environment. Prerequisites: TVR 11500; TVR 22500. 4 credits. (F-S)

Distribution: NLA.

TVR 30900 - Motion Graphics and Animation (4)

This course will introduce motion graphics and animation techniques using traditional and computer forms. Theoretical and conceptual approaches to motion graphics design and techniques will be explored using international examples. Students will complete several animation projects with increasing complexity during the semester. Prerequisites: TVR 11500; television-radio or emerging media major; sophomore standing. 4 credits. (Y)

Distribution: NLA.

TVR 31000 - Experimental Media: Production and Criticism (4)

Examines the history and theory of experimental video, electronic, and digital media as a cross-disciplinary visual and aural art form that emerged from several art disciplines and the associated developing technologies. An active hands-on exploration of the wide variety of aesthetic strategies used in the conceptualization, creation, presentation, and exhibition of electronic media. By designing individual and collaborative projects, students gain a broader awareness of the field and the technical and creative innovations that have shaped the contemporary art culture and the media arts industries. Prerequisites: TVR 11500 or CNPH 11100; television-radio, emerging media, or film, photography, and visual arts major; sophomore standing. 4 credits. (Y)

Distribution: NLA, UND.

TVR 31200 - Government and Media (3)

Provides an understanding of the policy-making process used to formulate various regulations that govern the media. The role of relevant policy-making bodies, such as Congress, the courts, Federal Communications Commission, and lobby groups, are discussed. Specific regulation concerning the First Amendment, obscenity, libel, privacy, copyright, commercial speech, access to information, antitrust, etc., are also examined. A major research paper on a relevant media regulation topic is required. Prerequisites: TVR 12100, TVR 12400, JOUR 11100, or STCM 10300; television-radio, journalism, documentary studies and production, integrated marketing communications, or emerging media major; junior standing. 3 credits. (F-S)

Distribution: LA.

TVR 31300-31399 - Topics in Media Law and Policy (4)

Overview of First Amendment theory, legal precedent, copyright, libel, and privacy, followed by an in-depth investigation of specific media law and policy issues determined by faculty expertise and student interest. Prerequisites: TVR 12100, TVR 12400, JOUR 11100, or STCM 10300. Television-radio, documentary studies and production, integrated marketing communications, journalism or emerging media majors; junior standing. 4 credits. (IRR)

Distribution: LA.

TVR 31500 - Fiction Field Production II (4)

This course has two primary agendas, one aesthetic and one technical. The aesthetic focus is on creative authorship, personal vision, and the exploration of strategies and methods for transforming vision into reality. The technical focus is on increasing sophistication and skill within specific areas of field production: sound recording, camera work, lighting, production planning, and computer-based nonlinear editing systems. Prerequisites: TVR 21500; TVR 22500. 4 credits. (Y)

Distribution: NLA.

TVR 32000-32099 - Topics in Media Technology (4)

Analysis of theoretical, social, economic, political, technological, and cultural perspectives that impact and are impacted by new and emerging media technologies.
Theoretical framework or technological focus defined by faculty expertise and student interest. Prerequisites: TVR 12100 or TVR 12400; junior standing; television-radio or emerging media majors. 4 credits. (Y)

Distribution: LA.

TVR 32200 - New Telecommunications Technologies (3)
Examines the development of new technologies and communication networks. The structure of the marketplace, government policy, and the social impacts of new technologies are discussed. Issues such as globalization, computer security, privacy, and changes in regulations may be covered. Prerequisites: TVR 12100 or TVR 12400; two level-2 courses in one or more of the following fields: television-radio, psychology, sociology; junior standing. 3 credits. (F-S)

Distribution: LA.

TVR 32400 - European Mass Media (3)
A comparative study of Western and Eastern European mass media, with emphasis placed on their historical development, structure, organization, function, and effects in society. Issues discussed include privatization, satellite broadcasting, East-West media relations, and contemporary political use of the mass media. Prerequisites: Three courses in social sciences; junior standing. 3 credits. (F)

Distribution: LA,SS.

TVR 32500 - Seminar in Development Communications (3)
A forum for discussion and analysis of various issues involved in the use of mass media in the development effort of third world countries. Examples in a number of African and Asian nations are used to illustrate the use of media support in the development process, successfully or otherwise. External and internal forces that affect media implementation are analyzed. The issue of a communications workforce, its lack in third world countries, and its impact on the present state of affairs are discussed. Prerequisites: Three courses in social sciences; junior standing. 3 credits. (IRR)

Distribution: LA,UND.

TVR 33300 - Writing for Series Television (3)
Theory and practice of dramatic writing for television with emphasis placed on the development of the various series television formats. The course will feature a writing workshop with topics including character development, plotting, and marketing the finished product. Prerequisites: TVR 13400, or CNPH 10400 and CNPH 23300; junior standing. 3 credits. (F-S)

Distribution: NLA.

TVR 33500 - Electronic Media Criticism (3)

Exploration of electronic media programming in terms of aesthetic and socioeconomic contexts. The focus may include broadcast television, radio, audio recording, and nonbroadcast video. Various approaches for analyzing electronic media programming are examined, such as psychoanalytic, Marxist, sociological, and semiotic. Deals with electronic media criticism from both academic and public perspectives. This course is only offered at the James B. Pendleton Los Angeles Center. Prerequisites: TVR 12100 or TVR 12400; junior standing. 3 credits. (IRR)

Distribution: LA.

TVR 35200 - British Media and Society (3)
A study of the role and function of media in modern societies, the effects and impact of the mass media, and the media as agents of democracy. An analysis of the relationship of British media to British society in the postwar period through examination of a wide range of material -- news, current affairs, documentary, drama, situation comedy. Prerequisites: Junior standing or above.

Distribution: LA,SS.

TVR 37100 - Advanced Audio Production (4)
The study and application of the creative capabilities of advanced audio equipment. Students learn the theory and techniques of sophisticated audio production, including analog and digital multi-track recording, mixing, signal processing, live remote recording, digital editing, creative sound production, and sound design for other media. Prerequisites: TVR 27100. 4 credits. (F)

Distribution: NLA.

TVR 38500 - Emerging Media Project (4)
Hands-on introduction to project design, development, implementation, and testing, with emphasis on the knowledge and skills required to successfully complete the production cycle, including team dynamics, market analysis, project management, documentation, and testing. Students work in teams on projects assigned by the instructor. Cross-listed with COMP 38500; students cannot receive credit for both COMP 38500 and TVR 38500. Open only to Emerging Media majors. Prerequisites: COMP 20200; Junior Standing. 4 credits. (S, Y)

Distribution: NLA.

TVR 39900 - Documentary Workshop (4)
A challenging workshop and lecture course in which students carry out research, planning, production, and postproduction for a video documentary and formal program proposal. Major topics include documentary genres and techniques, criteria for selecting subject matter, primary and secondary sources of information, Communications majors only. Prerequisites: TVR 29900
The course refines the student's abilities related to audio theory, professional digital audio equipment, critical listening, and the aesthetic analysis of audio products. Students record and edit an extensive audio project outside class. Students may take a second semester of this course with permission of instructor. Total may not exceed 8 credits. Prerequisites: TVR 37100. 4 credits. (S)

Distribution: NLA.

TVR 48500 - Emerging Media Capstone (4)

Working as part of a team, the student designs, develops, and documents a significant emerging digital media project under the guidance of one or more faculty members. Cross-listed with COMP 48500; students cannot receive credit for both COMP 48500 and TVR 48500. Prerequisites: COMP 38500 or TVR 38500 with a minimum grade of C-. 4 credits. (S, Y)

Distribution: NLA.

TVR 49000 - Internship (1 to 6)

Jointly supervised work experience with a cooperating institution or corporation in the field of communications, intended to motivate the student toward professional growth through observation and participation, to provide opportunities to meet active professionals, and to stimulate career planning. Skill and academic knowledge are put into practice. May be repeated. Total credits may not exceed 12, including London and Los Angeles internships. Prerequisites: Junior television-radio, journalism, or media studies major or minor; completion of Park School internship procedures. 1-6 credits. Pass/fail only. (F-S)

Distribution: NLA, UND.

TVR 49100 - Senior Media Thesis (4)

Advanced work and special projects in writing, producing, and directing on an individual or small-group basis. Programs may be developed for broadcast on ICTV or produced for the professional production unit. Prerequisites: TVR 30300, TVR 30400, TVR 30900, TVR 31000, TVR 31500, TVR 37100, or TVR 39900, or permission of instructor. 4 credits. (F-S)

Distribution: NLA.

TVR 49700 - Independent Project (3)

An independent project under the supervision of a faculty adviser, with the approval of the department chair. Possible projects include video/audio projects, script projects, and projects in journalism, advertising, or public relations. The outcome should be a completed work suitable for inclusion in a professional portfolio. May be repeated, but the total credits earned from all independent projects may not exceed 6. Prerequisites: Television-radio or integrated marketing communications major; junior or senior standing; permission of the department. 3 credits. (F-S)

Distribution: NLA.
TVR 49800 - London Communications Internship (3 to 6)
A limited number of internships with cooperating institutions or organizations are available to communications majors. The jointly supervised work experience offers the opportunity to learn through observation and participation in a professional setting. Prerequisites: Junior or senior standing; completion of Park School internship procedures; approval of the dean in the semester preceding the London registration. Pass/fail only. 3-6 credits. (F-S) See "London Center."
Distribution: NLA.

TVR 49900 - Independent Study (1 to 6)
Intensive study under the supervision of a faculty adviser and the approval of the department chair. Possible topics include quantitative or qualitative research in an area relating to media production, consumption, regulation, or criticism. Comprehensive research paper (not project) is required. May be repeated, but the total credits earned from all independent study taken may not exceed 6. Prerequisites: Television-radio or integrated marketing communications major; junior standing; permission of department. 1-6 credits. (F-S)
Distribution: LA.

WMST - Womens Studies

WMST 10000 - Introduction to Women's Studies (3)
Women's studies provides a critical perspective that examines the world and everything that happens within it from the viewpoints of women. It encourages new ways of seeing and thinking about our world and its people and institutions. Interdisciplinary introduction to the questions, findings, methods, and theories of women's studies scholarship. Examines how multiple forms of feminism shape the practice of women's studies and increasingly recognize differences among women. Examines feminism(s) as well as the diverse conditions of women's lives and experiences in the United States. Open to all independent study taken may not exceed 6. Prerequisites: Television-radio or integrated marketing communications major; junior standing; permission of department. 1-6 credits. (F-S)
Distribution: LA.

WMST 40800 - Selected Topics: Women's Studies (1 to 4)
Topics of current interest in women’s studies using a women’s studies approach to pedagogy. This feminist pedagogy includes: (1) an emphasis on critical thinking and analytical skills; (2) an emphasis on cooperation instead of competition and hierarchy in the classroom; and (3) the validation of personal experience and subjective knowledge in the learning process. Prerequisites: WMST10000; two courses from the women's studies minor list. Open to Women's studies minors with senior standing, or junior standing by permission of instructor.

Can be repeated once for up to six credits when topics vary. 3 credits. (IRR)
Distribution: LA.

WMST 42000 - Independent Studies: Women's Studies (1 to 4)
Independent studies projects are arranged individually between student and instructor. A proposal for the topic and specific plans must be approved by the coordinator of the women’s studies program and by the School of Humanities and Sciences dean's office. Prerequisites: WMST 10000; two courses from the women's studies minor list; permission of instructor. 1-4 credits. (F-S,Y)
Distribution: LA.

WMST 43000 - Internship: Women's Studies (1 to 12)
Internships are arranged individually at the student's request with individual instructors and a sponsoring agency. A proposal for an internship must be approved by the coordinator of the women's studies program and by the School of Humanities and Sciences dean's office. Prerequisites: WMST 10000; two courses from the women's studies minor list; permission of instructor. Variable credit. (F-S,Y)
Distribution: NLA.

WRTG - Writing

WRTG 10600 - Academic Writing I (3)
This introductory, freshman-level course teaches students how to read perceptively and write coherently in college courses. Students learn to comprehend, critique, and respond to college readings by writing analytical essays ranging from single-source papers to evaluations of the claims and evidence in a number of readings. Typical assignments include single-source critiques and multiple-source syntheses. The course emphasizes thoughtful and responsible use of sources. May satisfy departmental and school requirements for a level-1 writing course. Prerequisites: Open only to freshmen and sophomores. 3 credits. (F-S,Y)
Distribution: 3A,HU,LA.

WRTG 11100 - Academic Writing II (3)
Refines and advances writing and reasoning abilities taught in Academic Writing I. Focus is on complex synthesis of material from diverse sources to analyze and evaluate significant issues. Students study library research methods and complete an independent research project. May satisfy departmental and school requirements for a second level-1 writing course. Available only to freshmen, sophomores, and transfer students. Prerequisites: Any level-1 composition course from WRTG 10600 through WRTG 16500. 3 credits. (F-S,Y)
WRTG 16500 - Introduction to the Essay (3)
Introduces the principal concepts of writing through a study of the genre of the essay. This course includes how to conduct research and use sources thoughtfully and responsibly, and asks students to examine the intentions, strategies, and styles of selected essayists from Montaigne to the present. Prerequisites: Writing majors or permission of instructor. 3 credits. (S,Y)
Distribution: 3A,HU,LA.

WRTG 17500 - Introduction to Creative Writing (3)
Elements and techniques of writing fiction and poetry introduced through instruction, analysis of models, experimentation, and practice. Fiction-writing techniques include developing character and plot, using dialogue, creating scenes, learning narrative structure, and acquiring narrative voice. Poetry-writing techniques include traditional poetic forms, poetic imagery, and descriptive and figurative language. Not open to students who have previously received credit for WRTG 23600 or WRTG 23800. Prerequisites: Any level 1 composition course from WRTG 10600 through WRTG 16500. 3 credits. (F-S,Y)
Distribution: 3A,FA,LA.

WRTG 20100 - Argument (3)
Prepares students to write convincing arguments by learning logical strategies for presenting and defending ideas. Introduces a variety of forms that arguments can take, emphasizing the traditional essay. Particularly recommended for students who wish to strengthen their ability to present their point of view persuasively, intelligently, and ethically. Prerequisites: Any level-1 composition course from WRTG 10600 through WRTG 16500; sophomore standing or above. 3 credits. (F-S,Y)
Distribution: 3A,HU,LA.

WRTG 20500 - Personal Essay (3)
Writing essays based on analysis of students' experiences, ideas, and feelings. Emphasis is placed on narrative, descriptive, and organizational techniques, as well as development of style. Readings are intended to deepen students' understanding of their own lives and provide models for creative interpretations of their own experience. Prerequisites: Any level-1 composition course from WRTG 10600 through WRTG 16500. 3 credits. (F-S,Y)
Distribution: 3A,HU,LA.

WRTG 21100 - Writing for the Workplace (3)
Basic on-the-job writing necessary to join, manage, and promote any organization, whether profit or nonprofit. Focus is primarily on short forms: résumés, memos, business letters, summaries, brochures, newsletters, press releases, informal proposals, and reports. Course also explores how various social, economic, and ethical issues affect workplace writing. Prerequisites: Sophomore standing; any level-1 composition course from WRTG 10600 through WRTG 16500. 3 credits. (F-S,Y)
Distribution: HU,LA.

WRTG 21300 - Technical Writing (3)
Fundamentals for communicating technical information to general and specialized audiences. Class emphasizes the foundations of technical writing, their formats and applications, context-specific writing strategies, basic visual design, and ethics. Some reading in and discussion of the history of technology and its influence on human society and culture. Prerequisites: Sophomore standing; any level-1 composition course from WRTG 10600 through WRTG 16500. 3 credits. (F,E)
Distribution: HU,LA.

WRTG 22500 - Grammar and Usage (3)
Intensive study of the patterns of English grammar and their influence on sentence structure, punctuation, and usage. Daily exercises in contemporary usage and writing assignments prepare students for refining their own academic prose and for editing the work of others. Prerequisites: Sophomore standing; any level-1 composition course from WRTG 10600 through WRTG 16500. 3 credits. (F-S,Y)
Distribution: HU,LA.

WRTG 23200 - Writing Nonfiction (3)
Introduction to writing research-based creative nonfiction. Readings are intended to expose students to the breadth of the nonfiction genre. Emphasis is placed on literary technique, ethics, and research. Prerequisites: Sophomore standing and WRTG 10600. 3 credits. (S,Y)
Distribution: HU,LA.

WRTG 23600 - Fiction Writing I: Short Story (3)
Workshop in writing fiction, emphasizing plot, characterization, dialogue, description, narration, mood, tone, and viewpoint. Analysis of both professional and student writing. A final portfolio of revised work is required. Prerequisites: Sophomore standing; WRTG 17500 or WRTG 20500. 3 credits. (F-S,Y)
Distribution: 3A,FA,LA.

WRTG 23800 - Poetry Writing I (3)
Workshop in writing poetry, in which students develop poetic strategies and practice a range of poetic forms and modes. Analysis of published models (both historical and contemporary) and student writing. A final portfolio of revised work is required. Prerequisites: Sophomore standing; WRTG 17500 or WRTG 20500. 3 credits. (F-S,Y)
WRTG 30100 - Autobiography (3)

Advanced course in writing autobiography. Encourages students to recognize developmental patterns in their own lives and understand the social and political context of their experience. Emphasis is placed on the thematic, structural, and stylistic problems of extended narrative. Autobiographical readings are used to model the genre and address relevant issues, such as the selectivity of memory, the public presentation of the private self, and the literary value of daily life. Prerequisites: Junior standing; WRTG 20500 or WRTG 23600. 3 credits. (F or S, Y)

Distribution: 3A, FA, LA.

WRTG 30500 - Writing Science Fiction and Fantasy (3)

Advanced creative writing course in science fiction and fantasy that emphasizes the importance of character and thematic development. Assignments also focus on the selection of subject, setting, and narrative techniques. Readings in contemporary science fiction and fantasy serve as models for approaches to these two genres. Prerequisites: Junior standing; WRTG 20500 or WRTG 23600. 3 credits. (S, Y)

Distribution: FA, LA.

WRTG 31000 - Women and Writing (3)

Creative writing for students interested in exploring female experience through different literary forms. The first half of the course is nonfiction prose (journals, essays); in the second half, students choose to do fiction, poetry, or dramatic writing. Readings by contemporary female writers. Prerequisites: WRTG 20500, WRTG 23600, WRTG 23800, or junior standing. 3 credits. (F or S, Y)

Distribution: 3A, FA, LA.

WRTG 31100 - Writing for the Professions (3)

Advanced, thematically centered workplace writing focusing on more complex forms: policy statements, position papers, dossiers, legal documentation, and long reports. Course themes vary and encourage dialogue on major issues among different professions in business, government, law, and medicine. All sections are grounded in argument, ethics, and the humanities. Class readings may include casebooks, theoretical essays, or historical documents. Prerequisites: Junior standing. Any one of the following: WRTG 20100, WRTG 21100, or WRTG 21300; or any level-1 composition course from WRTG 10600 through WRTG 16500 and three courses at level 2 or above in the social sciences or majors within the Schools of Business, Communications, and Health Sciences and Human Performance, as well as the Division of International and Interdisciplinary Studies. 3 credits. (S, O)

Distribution: HU, LA.

WRTG 31400 - Science Writing (3)

Advanced expository course on journalistic and literary scientific writing. Students learn to communicate scientific facts and theories to professional and sophisticated lay readers through description, analogy, narrative, and argument. Some discussion of the technical and scholarly conventions of formal scientific writing. Class readings include major humanistic essays from the history of science and articles and features from contemporary popular and scientific publications. Prerequisites: Junior standing; any one of the following: WRTG 20100 or WRTG 21300 and two courses in the natural sciences; or any level-1 composition course from WRTG 10600 through WRTG 16500 and three courses (at least one above level 1) in the health and natural sciences. 3 credits. (S, E)

Distribution: 3A, HU, LA.

WRTG 31700 - Proposal and Grant Writing (3)

Advanced workplace writing concentrating on proposals and grants. Students address problems in the local community while studying the interplay among business, education, government, and nonprofits. Attentive to civic responsibility in the marketplace, this course teaches research and assessment, project management, editing, and document design. Group work emphasizes social networks and service learning. Prerequisites: Junior standing and one of the following: WRTG 20100, WRTG 21100, or WRTG 21300. 3 credits. (F-S, Y)

Distribution: NLA.

WRTG 31800 - Writing from Cultural Experience (3)

Advanced essay course in which students explore the significance of their own ethnic and cultural identity, background, and experience. Writing assignments encourage students to employ a variety of essay styles and structures -- from personal to public and from narrative to analytical. Appropriate for any students who recognize their life experience as distinct by virtue of their nationality, race, religion, region, gender, sexual preference, or culture. Prerequisites: Junior standing; WRTG 20100 or WRTG 20500. 3 credits. (S, Y)

Distribution: 3A, HU, LA.

WRTG 31900 - Writing as a Naturalist (3)

Advanced expository essay course focusing on human interactions with the rest of the natural world. Readings are selected from the writing of naturalists, environmentalists, scientists, legislators, artists, poets, and philosophers. Writing assignments include field observation, description, analysis, and argument. Prerequisites: Junior standing; WRTG 20100, WRTG 21100, or any level-1 composition course from WRTG 10600 through WRTG 16500 and two courses in environmental studies above level 1. 3 credits. (F, Y)
COURSE DESCRIPTIONS

WRTG 32000 - Public Essay (3)
A public essay is a vehicle for making sense of the world, for offering commentary about it that deepens the reader's understanding and awareness of our condition. This advanced expository course provides students the occasion to write reflective literary essays on topics of public interest and significance. Students bring their own values, perspectives, insights, and voice to bear on matters of community concern. Prerequisites: Junior standing; WRTG 20100 or WRTG 20500. 3 credits. (F or S,Y)

Distribution: 3A,HU,LA.

WRTG 32500 - Writing Children's Literature (3)
Creating literature for children and young adults. In addition to studying stylistic approaches and techniques, the course addresses issues such as appropriate subject matter, writing for specific age groups, and the writer's moral responsibility. Reading assignments include classic and contemporary works, fairy tales and myths, and critical and historical essays. Prerequisites: Junior standing; WRTG 20500; WRTG 23600. 3 credits. (F,Y)

Distribution: 3A,HU,LA.

WRTG 33000 - Style and Syntax (3)
Advanced expository course applying grammatical knowledge to the study of prose style. Close analysis of sentence structures and rhetorical devices used by exemplary writers, along with exercises and practice in revision of students' own prose. Prerequisites: WRTG 22500; junior standing. 3 credits. (F,Y)

Distribution: FA,LA.

WRTG 33100 - Feature Writing (3)
Advanced expository course in developing the skills necessary to write informative, accurate, and interesting feature articles suitable for publication in daily or weekly newspapers. Students learn interviewing and reporting skills, as well as feature genres, style, and structure. Prerequisites: Junior standing; WRTG 20100 or WRTG 20500. 3 credits. (F or S,Y)

Distribution: HU,LA.

WRTG 33400 - Humorous Writing (3)
Writing humorously in the comedic or satiric mode. Introduces a variety of humorous forms, such as monologue, parody, caricature, and irony. Readings from past and present works contribute to a study of the historical, philosophical, psychological, and cultural dimensions of humor. Major emphasis is placed on creative writing. Prerequisites: Junior standing; WRTG 20500 or WRTG 23600. 3 credits. (F or S,Y)

Distribution: FA,LA.

WRTG 33600 - Fiction Writing II (3)
An advanced workshop for students with a serious commitment to writing fiction. Builds on the work begun in WRTG 23600. Students may write short stories or longer fictional pieces. Prerequisites: Junior standing; WRTG 23600. 3 credits. (F-S,Y)

Distribution: FA,LA.

WRTG 33800 - Poetry Writing II (3)
An advanced workshop for students with a serious commitment to the art of writing poetry. Students build on the study begun in WRTG 23800, striving for a greater understanding of issues and techniques in poetry. Prerequisites: Junior standing; WRTG 23800. (F or S,Y)

Distribution: FA,LA.

WRTG 34000 - Magazine Writing (3)
Experience in researching, writing, and marketing magazine articles, with an emphasis on features. Students study the various types of articles and analyze magazines for their content, audience, and editorial policy and slant, using this understanding to write for particular magazines of their choice. Students learn reporting and research techniques, as well as how to query editors. Prerequisites: Junior standing or above; WRTG 20100 or WRTG 20500; JOUR 11100 or WRTG 33100. 3 credits. (F,Y)

Distribution: HU,LA.

WRTG 34200 - Writing about Sports (3)
Advanced expository course in writing essays about sports for a variety of audiences, and developing and articulating standards for that writing. Readings selected from past masters and contemporary practitioners to provide a context for class discussion and for descriptive, analytical, and argumentative writing. Emphasizes establishing an authentic voice. Prerequisites: Junior standing. 3 credits. (S,Y)

Distribution: HU,LA.

WRTG 34500 - Writing as a Critic (3)
Advanced expository course on the essentials of writing arts reviews and criticism for newspapers, magazines, and trade journals, both print and online. Subjects for review include film, theater, music, dance, performance media, literature, painting, printmaking, sculpture, photography, television, radio, videos, games, and digital media. Also addresses the social and aesthetic functions of arts criticism, the development of criteria for judgment, and the role and responsibility of the critic. Reading assignments include critical models as well as essays on the theory and practice of criticism. Prerequisites: Junior standing; WRTG 20100 or WRTG 20500; any two courses beyond level 1 in art, art history, literature, theater, music, dance, photography, television-radio, video, or film. 3 credits. (S,Y)
Distribution: HU, LA.

WRTG 35000 - Selected Topics in Expository Writing (3)

Advanced expository writing course, offered at irregular intervals on topics chosen by faculty members. May be repeated for credit when topics vary. For writing minors, the course may be an elective or fulfill a level-3 minor requirement. Prerequisites: Junior standing; WRTG 20500 or one writing course at level 2 or above (specified by name and number at time of offering). 3 credits. (IRR)

Distribution: HU, LA.

WRTG 35200 - Selected Topics in Expository Writing (3)

Advanced expository writing course, offered at irregular intervals on topics chosen by faculty members. May be repeated for credit when topics vary. For writing minors, the course may be an elective or fulfill a level-3 minor requirement. Prerequisites: Junior standing; WRTG 20500 or one writing course at level 2 or above (specified by name and number at time of offering). 3 credits. (IRR)

Distribution: HU, LA.

WRTG 35400 - Selected Topics in Creative Writing (3)

Advanced creative writing course, offered at irregular intervals on topics chosen by faculty members. May be repeated for credit when topics vary. For writing minors, the course may be an elective or fulfill a level-3 minor requirement. Prerequisites: Junior standing; WRTG 20500 or one creative writing course at level 2 or above (specified by name and number at time of offering). 3 credits. (IRR)

Distribution: HU, LA.

WRTG 35600 - Selected Topics in Creative Writing (3)

Advanced creative writing course, offered at irregular intervals on topics chosen by faculty members. May be repeated for credit when topics vary. For writing minors, the course may be an elective or fulfill a level-3 minor requirement. Prerequisites: Junior standing; WRTG 20500 or one creative writing course at level 2 or above (specified by name and number at time of offering). 3 credits. (IRR)

Distribution: FA, LA.

WRTG 36000 - Composition Theory (3)

Introduction to research and scholarship currently shaping the theory and practice of composition studies. Covers major philosophies of composing and studies in language and learning that inform writing pedagogy. Investigates how social and political dimensions of literacy affect language use and learning, as well as how new technologies shape writing and teaching practice. Prerequisites: Junior standing; WRTG 20100; WRTG 20500. 3 credits. (F or S, Y)

Distribution: HU, LA.

WRTG 36500 - Poetics (3)

Introduction to Western theories of creative writing as a means of investigating the relationships between writer, text, and world. Addresses cultural/political, psychological, philosophical, and aesthetic concerns. Students analyze their own creative work and process in the context of these theories. Prerequisites: Junior standing; WRTG 23600 or WRTG 23800; any other writing course above level 1. 3 credits. (F-S, Y)

Distribution: HU, LA.

WRTG 38000 - Writers' Workshop (1)

An advanced writing workshop offered each semester to coincide with the Department of Writing Distinguished Visiting Writers series. Requires 15 contact hours in meetings, conferences, and classes with both the visiting writer and the writing faculty coordinator. Students produce a 15-page revised manuscript of new work in the relevant genre over the course of the semester. May be repeated up to three times for credit. Prerequisites: Junior standing; permission of instructor. 1 credit. (F-S, Y)

Distribution: LA, UND.

WRTG 41000 - Senior Project (3)

Advanced independent project designed by writing majors no later than their second junior semester and relating to their particular concentration or area of interest. The project, is usually undertaken in the second semester of the student's senior year. Work in the final portfolio is evaluated by the faculty mentor. Students are encouraged but not required to give a public presentation or reading of their work during their senior year. Prerequisites: Senior standing; WRTG 32000, WRTG 33600, or WRTG 33800; WRTG 36000 or WRTG 36500; permission of writing faculty. Open to majors only. 3 credits. (F-S, Y)

Distribution: LA, UND.

WRTG 41500 - Senior Seminar (3)

Small group setting for intensive study of selected advanced topics not provided elsewhere in the curriculum. Seminar topics vary each semester. May be repeated for credit when topics vary. Prerequisites: Senior standing; two writing courses beyond level 1, at least one of which must be at level 3; permission of instructor; additional specific prerequisites to be determined by the subject of the seminar. 3 credits. (F-S, Y)

Distribution: LA, UND.

WRTG 42000 - Apprenticeship (3)

Service as a teacher's apprentice in a 100-level writing course, correcting and commenting on student papers, tutoring, leading class exercises or discussions, and participating in conferences. To be eligible, students must have completed two writing courses above level 1, with at least one B and one A- as final grades; should have successfully completed the course to which they are
apprenticing; and should have a desire to work with students enrolled in Academic Writing I or II, Personal Essay, or Argument. Prerequisites: Senior standing and permission of instructor. 3 credits. (F-S,Y)

Distribution: NLA.

WRTG 43600 - Writing the Short Novel (3)

This advanced fiction-writing seminar offers students the opportunity to develop a short novel. The course extends previously learned narrative elements, such as characterization, plot, setting, point of view, tone, and voice, and applies them to a broader, more complex literary canvas. Students will create narratives that allow for multiple characters who interact within an expanded social context or that permit the extended exploration of a single character in considered detail. Prerequisites: Junior standing; WRTG 17500 or its equivalent; WRTG 20500; WRTG 23600; WRTG 30500, WRTG 32500, WRTG 33400, or WRTG 33600; one literature course in the Departments of English or Modern Languages and Literatures. 3 credits. (F,Y)

Distribution: FA,LA.

WRTG 45000 - Internship: Writing (1 to 6)

Work and study project designed by the student, in consultation with a faculty sponsor and a practicing professional. The proposal includes learning objectives, a detailed work plan, and a description of the student's plans for reports to the faculty sponsor. Prerequisites: Junior standing; three writing courses above level 1. Offered on demand only. Variable credit 1-6 credits; may be repeated up to 12 credits. (F-S,Y)

Distribution: NLA.

WRTG 49800 - Independent Study: Exposition (1 to 3)

Student-initiated expository writing project focusing on a specialized area. For the qualified, advanced student, by agreement with a faculty member. Offered on demand only. Approval of the writing department chair must be obtained one semester in advance of the proposed project. Prerequisites: Senior standing; three writing courses above level 1; additional prerequisites depending on topic. 1-3 credits. (F-S,Y)

Distribution: HU,LA.

WRTG 49801 - Independent Study (Exposition) (1 to 4)

Student-initiated expository writing project focusing on a specialized area. For the qualified, advanced student, by agreement with a faculty member. Approval of the writing department chair must be obtained one semester in advance of the proposed project. Prerequisites: Senior standing; three writing courses above level 1; additional prerequisites depending on topic. 1-3 credits. (F-S,Y)

Distribution: HU.

WRTG 49900 - Independent Study: Creative Writing (1 to 3)

Student-initiated creative writing project focusing on a specialized area. For the qualified, advanced student, by agreement with a faculty member. Offered on demand only. Approval of the writing department chair must be obtained one semester in advance of the proposed project. Prerequisites: Senior standing; three writing courses above level 1; additional prerequisites depending on topic. 1-3 credits. (F-S,Y)

Distribution: FA,LA.
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